

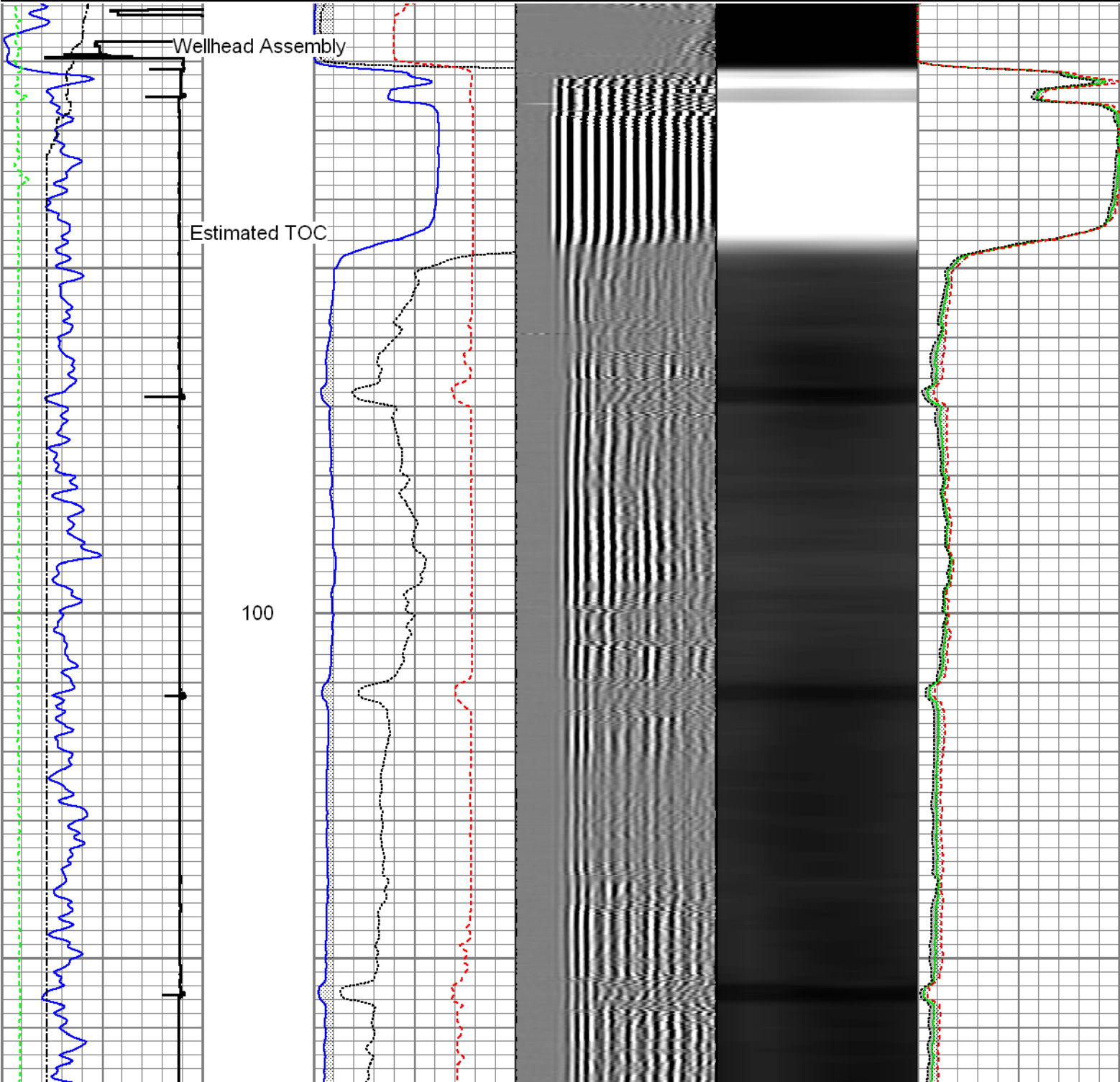


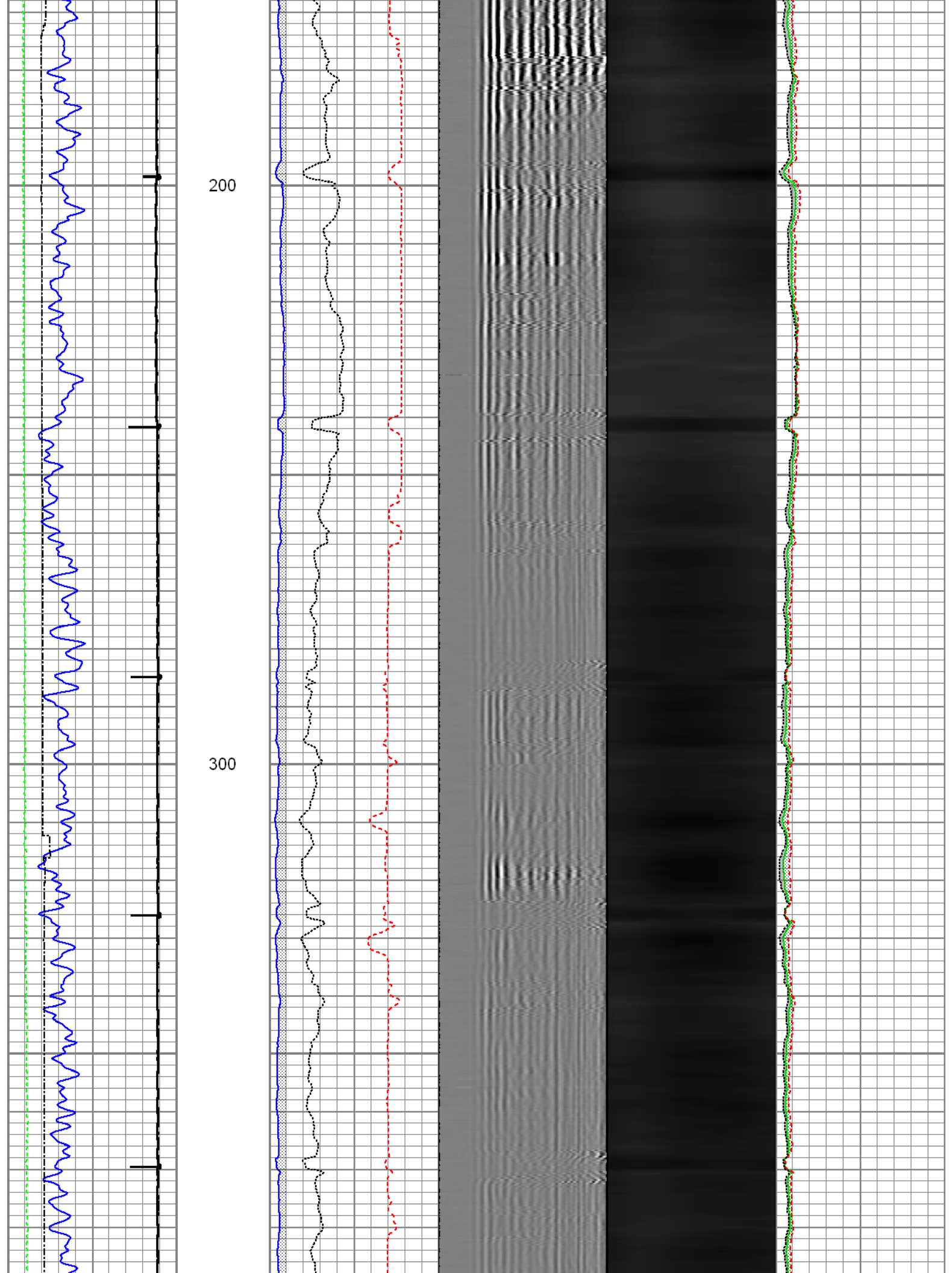
<<< Fold Here >>>
<p>All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.</p>
Comments
<p>Log ran as per customer request. Depth reference to Casing Tally reported Liner Top at 6893 FT. Adjusted +5 FT to correlate to liner top. Gauge Ring/Junk Basket ran to 7280 FT. Log ran from as deep as possible to surface. Log ran with 2800 PSI surface induced pressure. Logging tools were clean and free of any debris upon completion of operations.</p> <p>Thank you for choosing FMC Technologies Completion Services, Inc.!!</p>

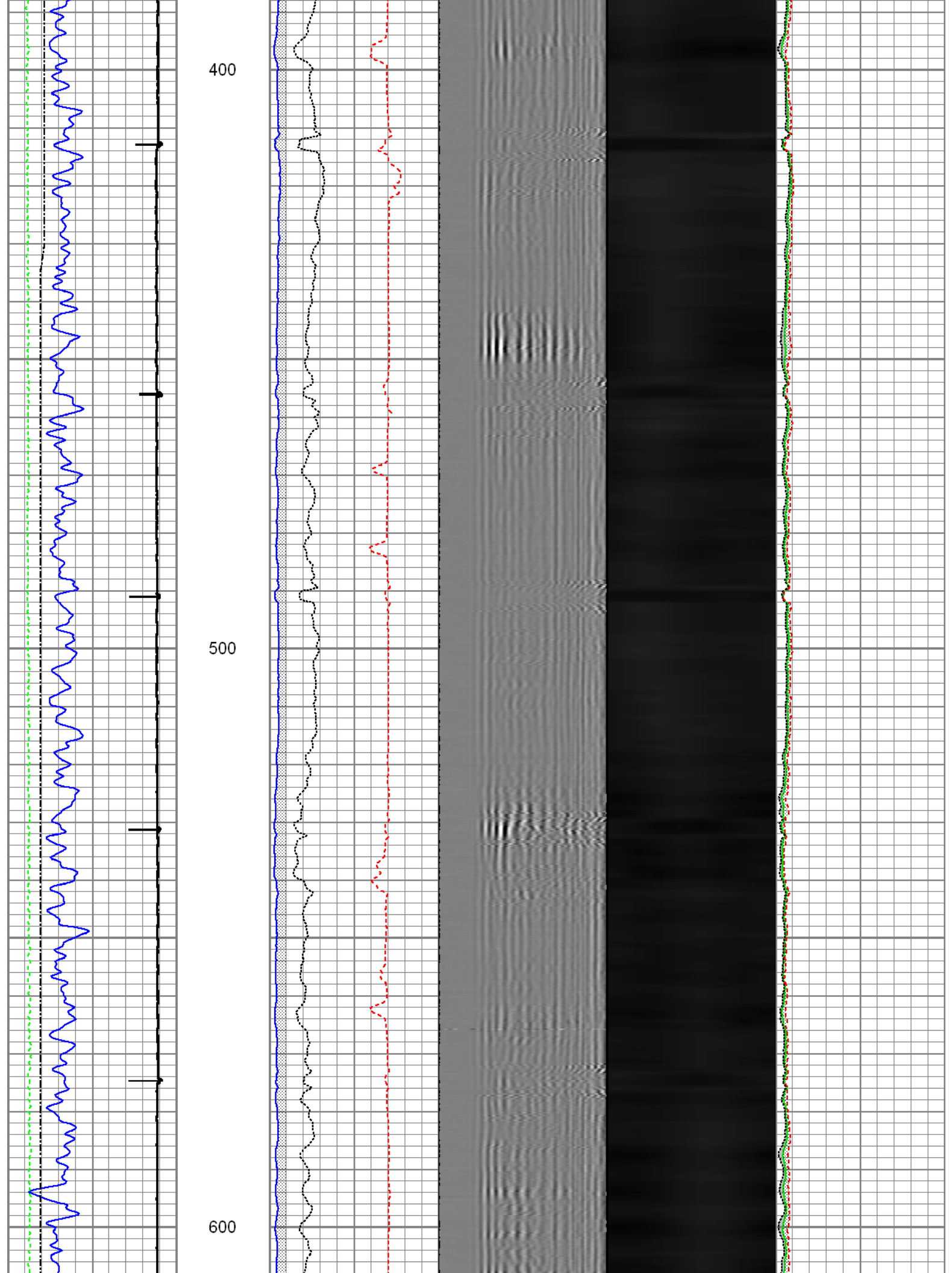


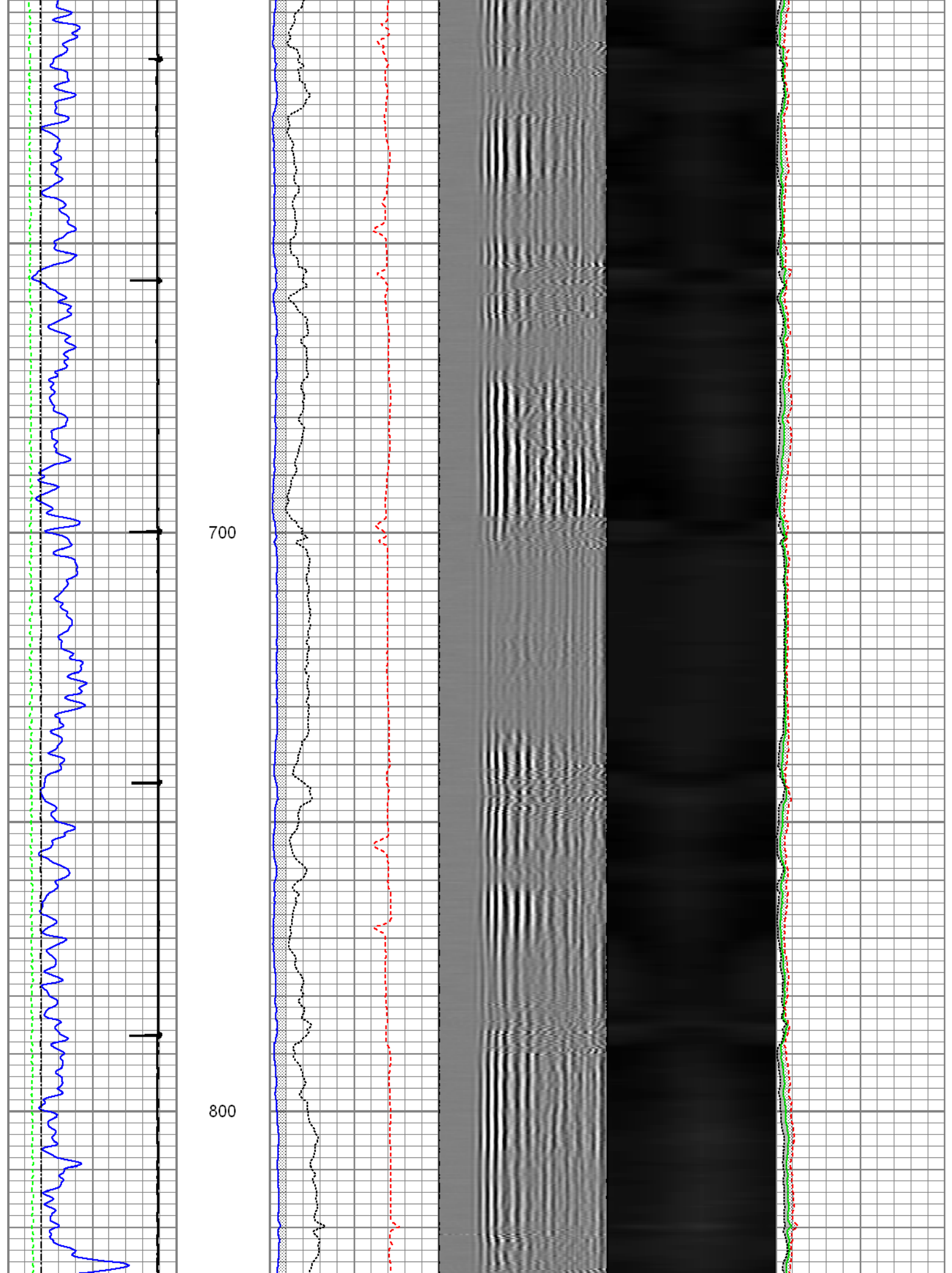
Database File: 0512339179_anadarko_burkhardt 38n-3hz_10-11-14_mit_rbl.db
Dataset Pathname: 7main.1
Presentation Format: rbt4_mit
Dataset Creation: Wed Oct 15 17:45:00 2014 by Calc SCH 120430
Charted by: Depth in Feet scaled 1:240

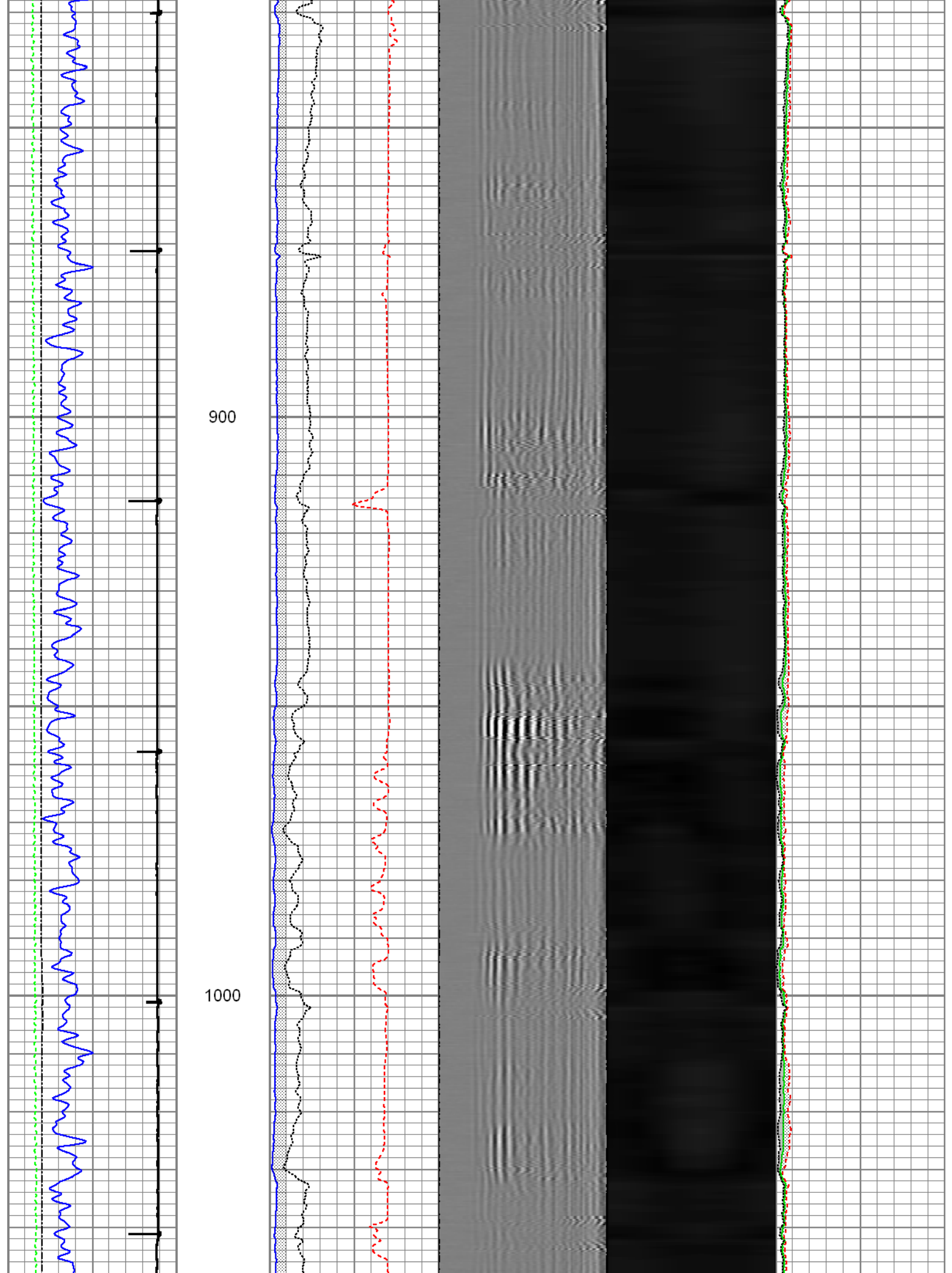
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				

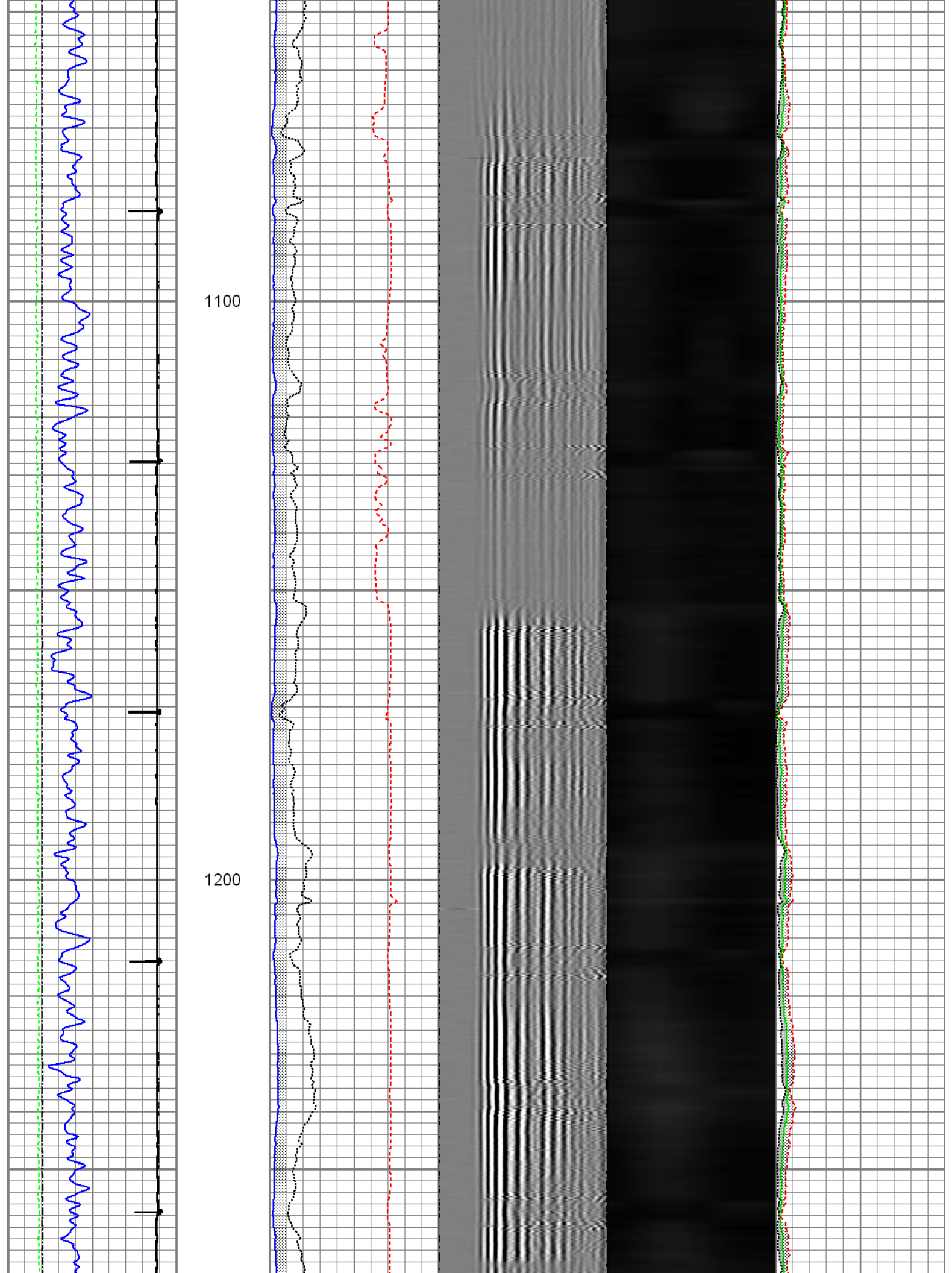


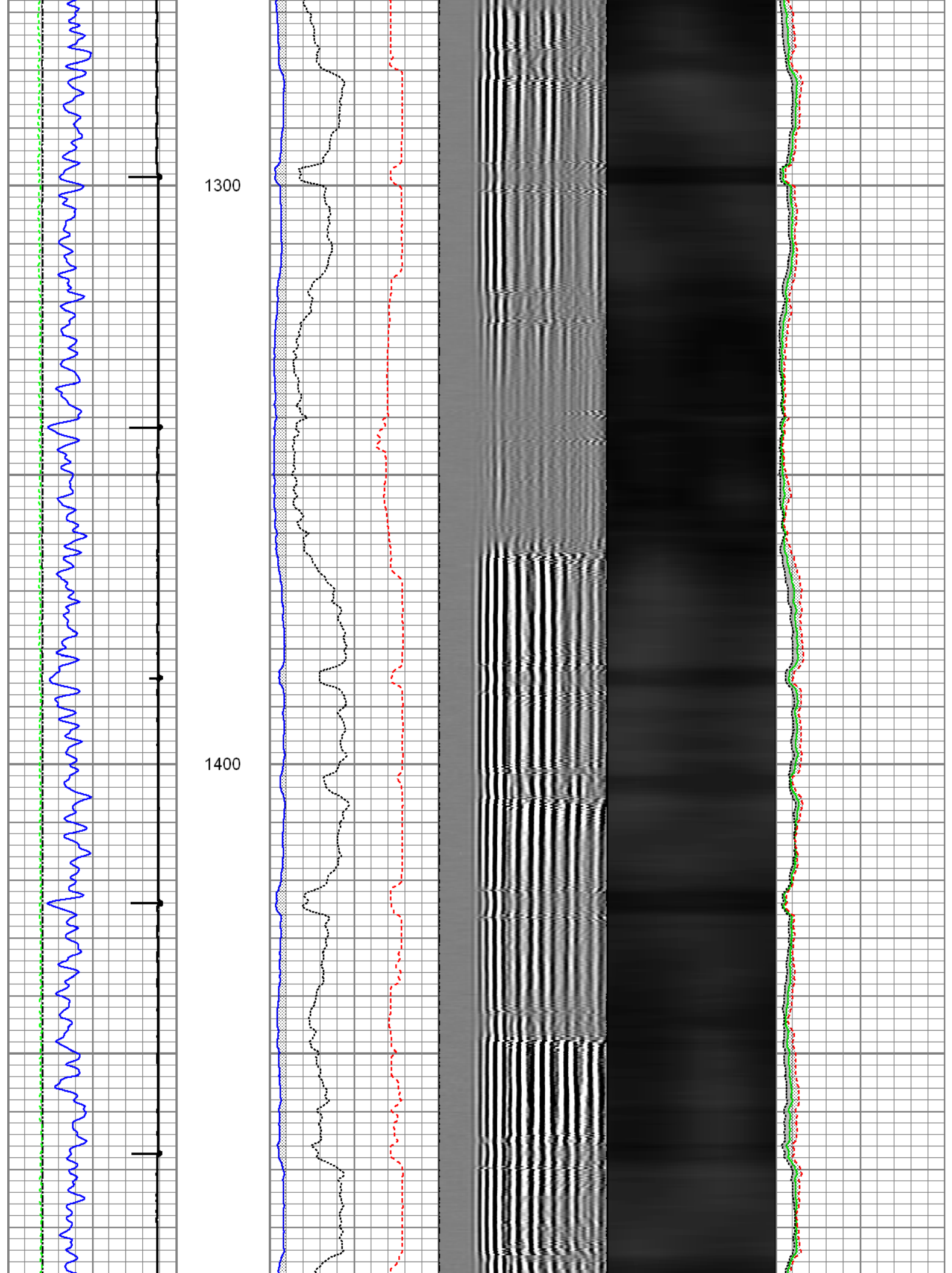


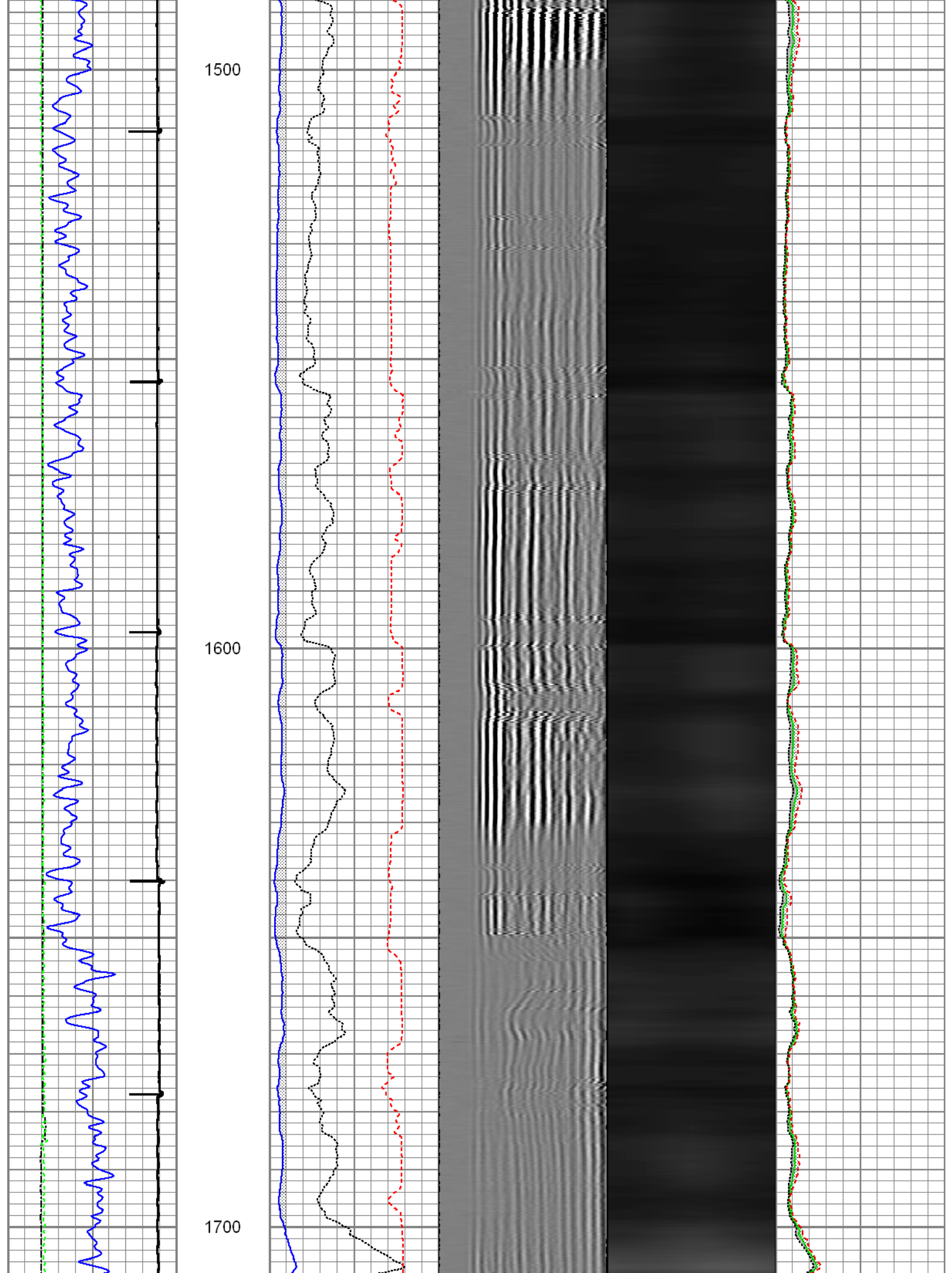


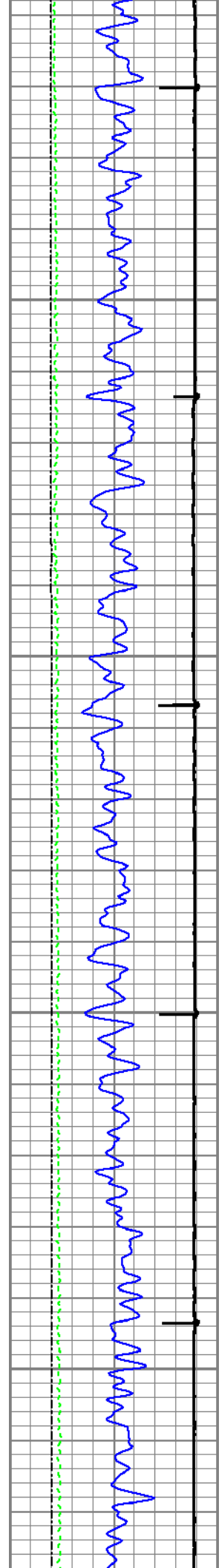






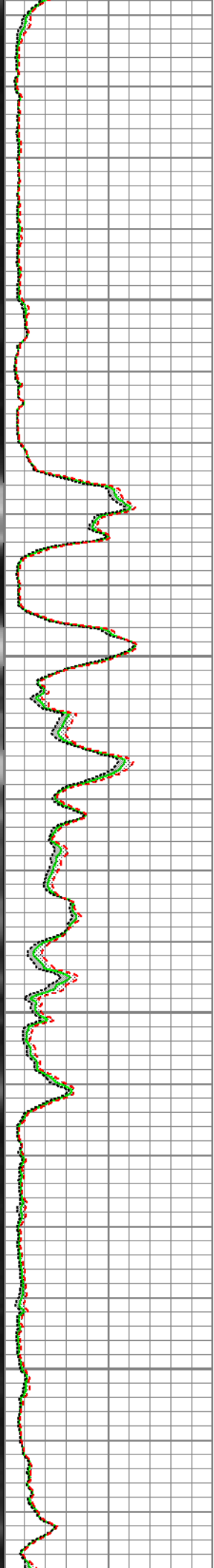
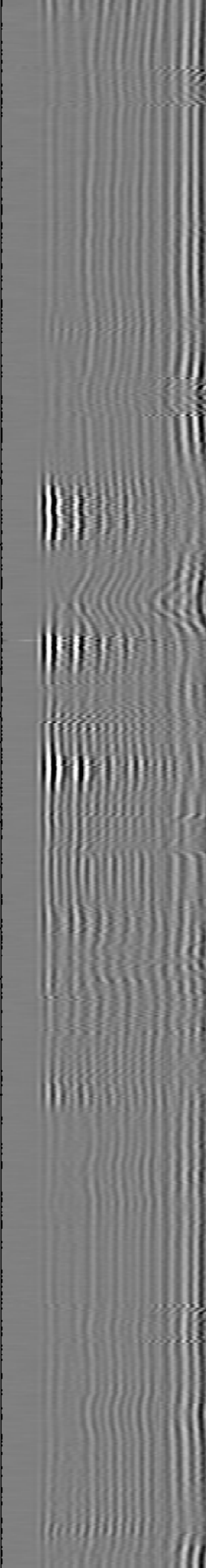
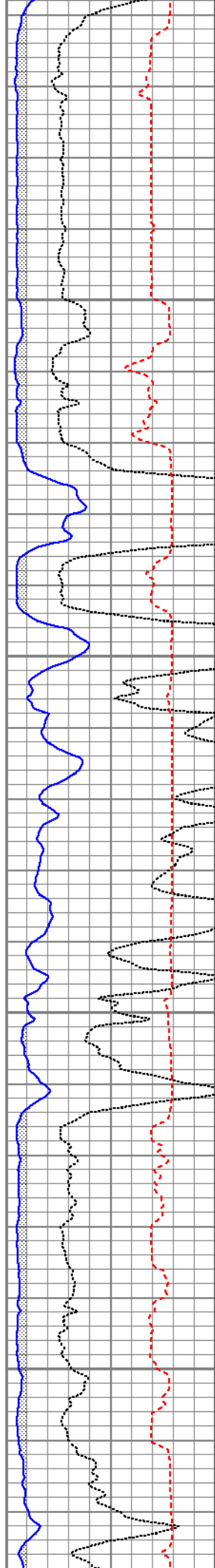


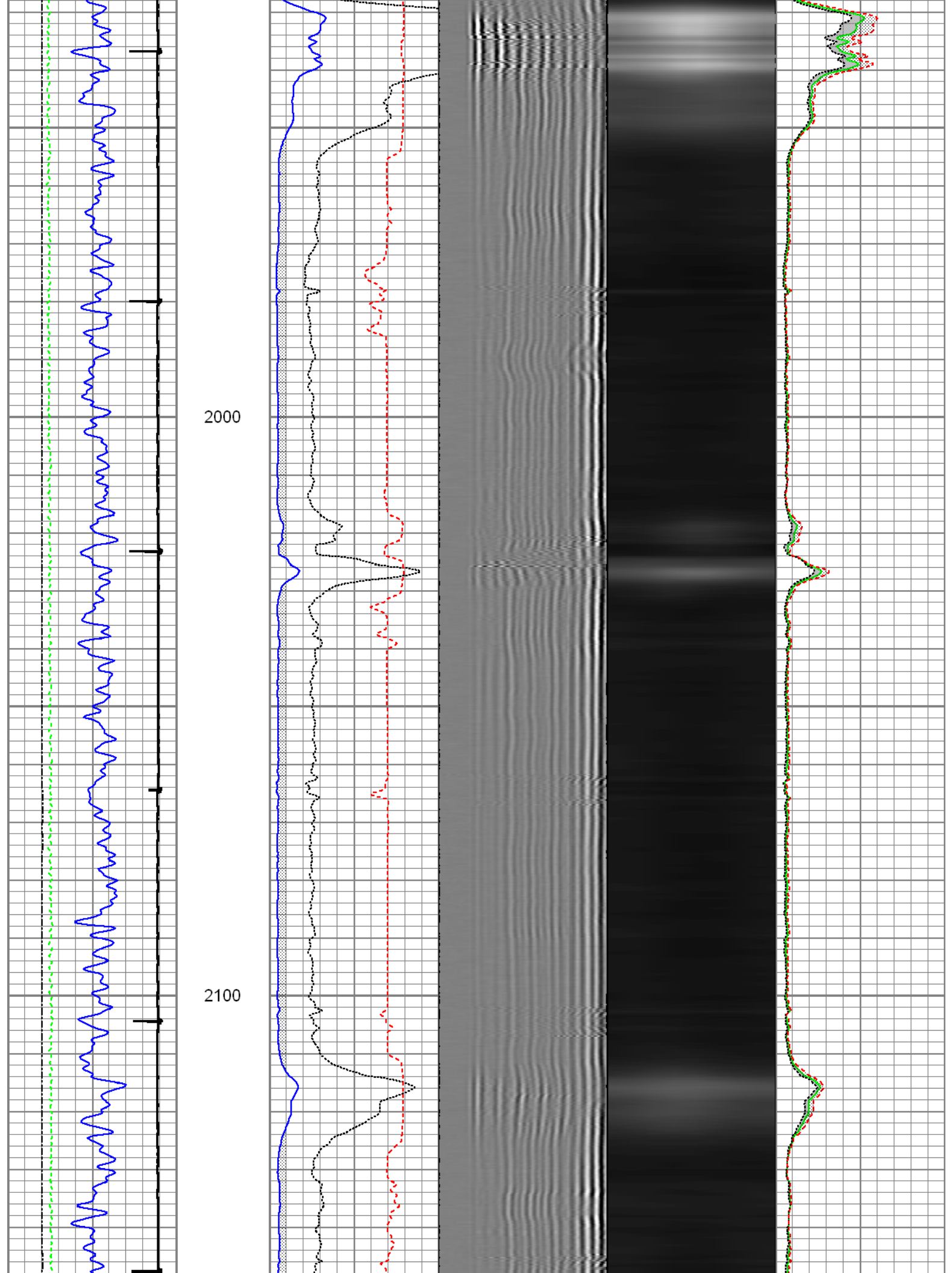


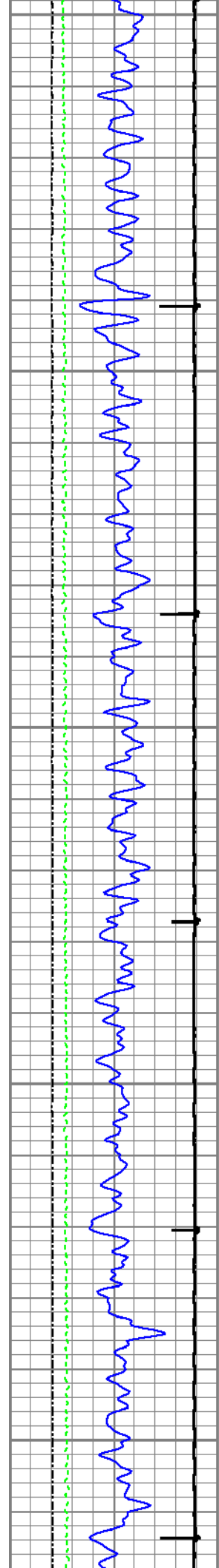


1800

1900

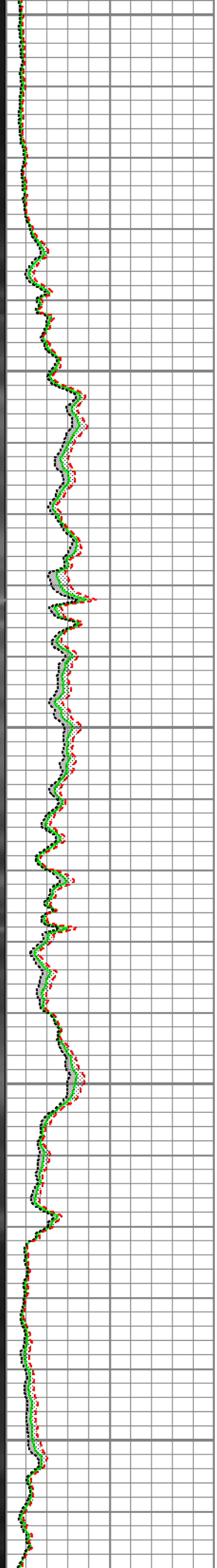
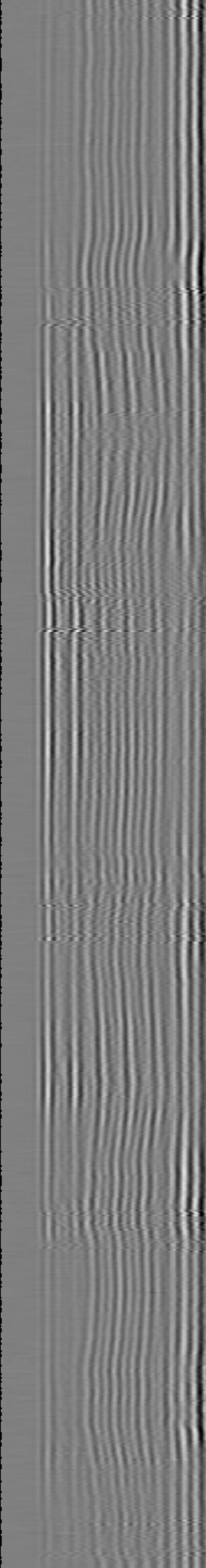
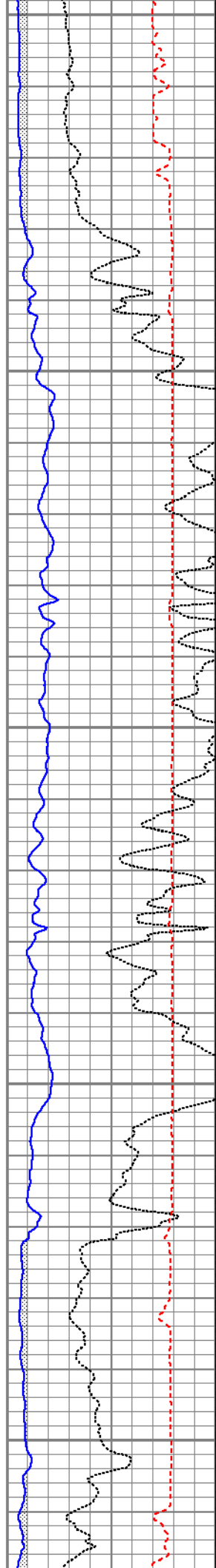






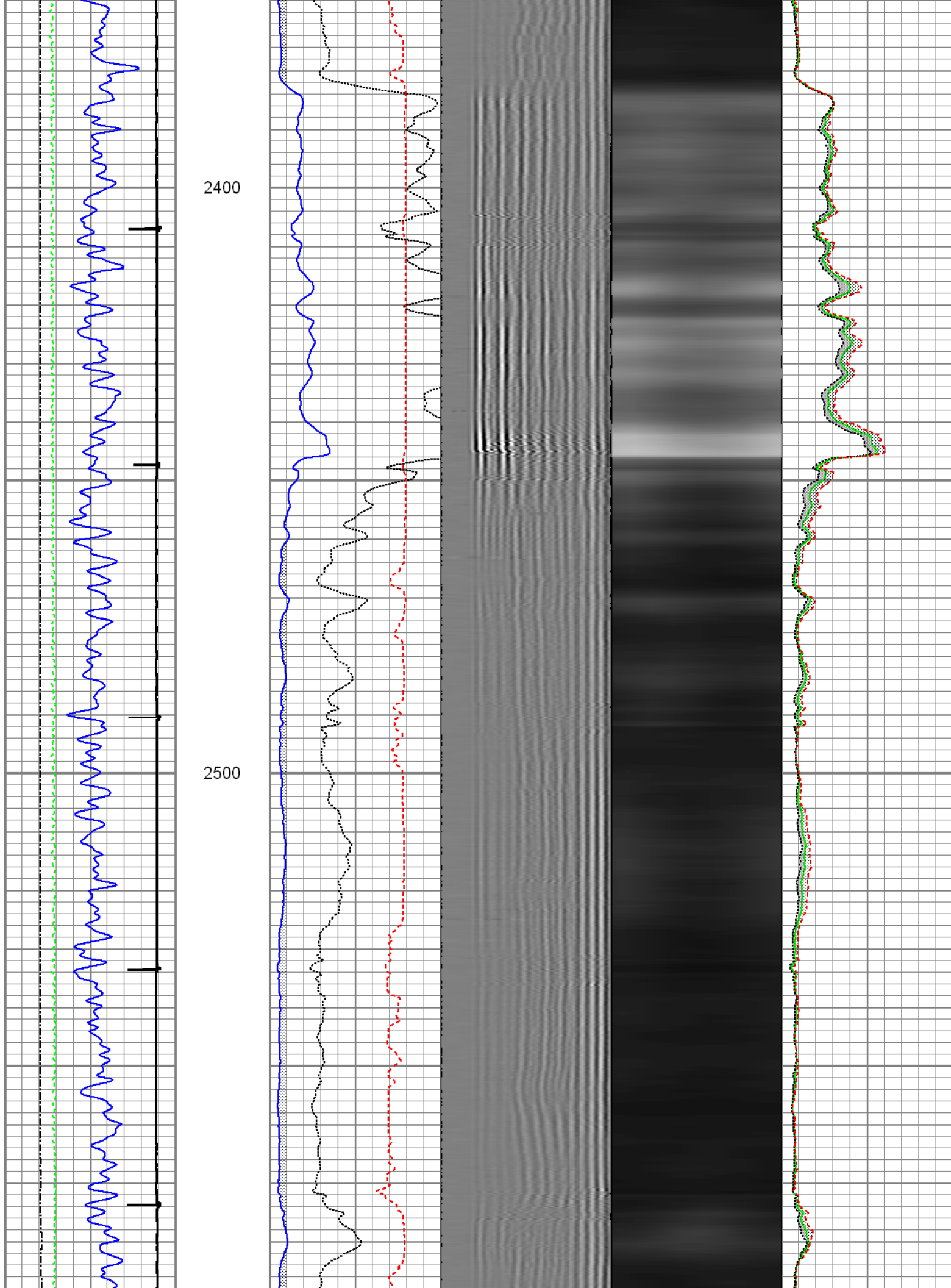
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2300



2400

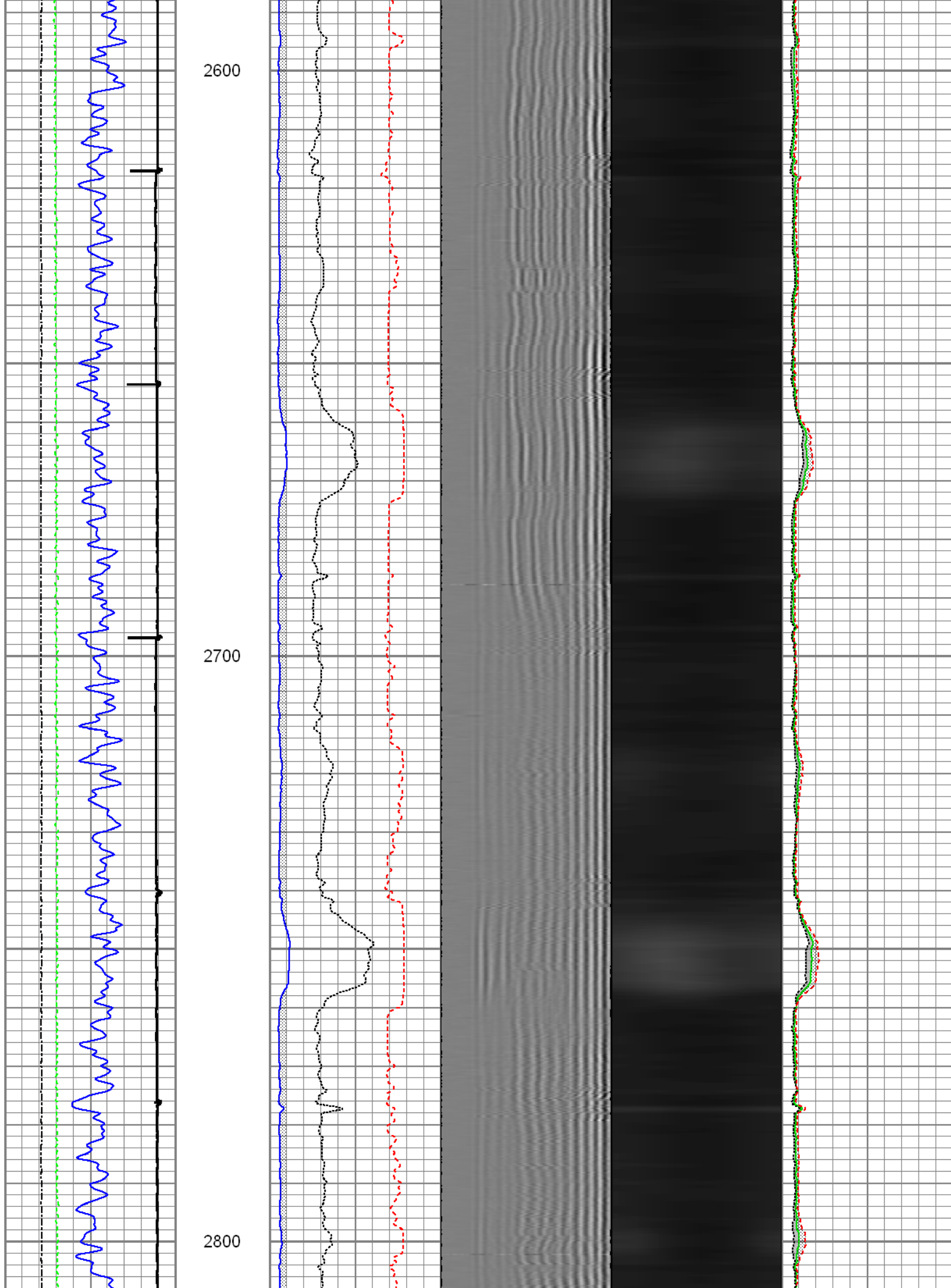
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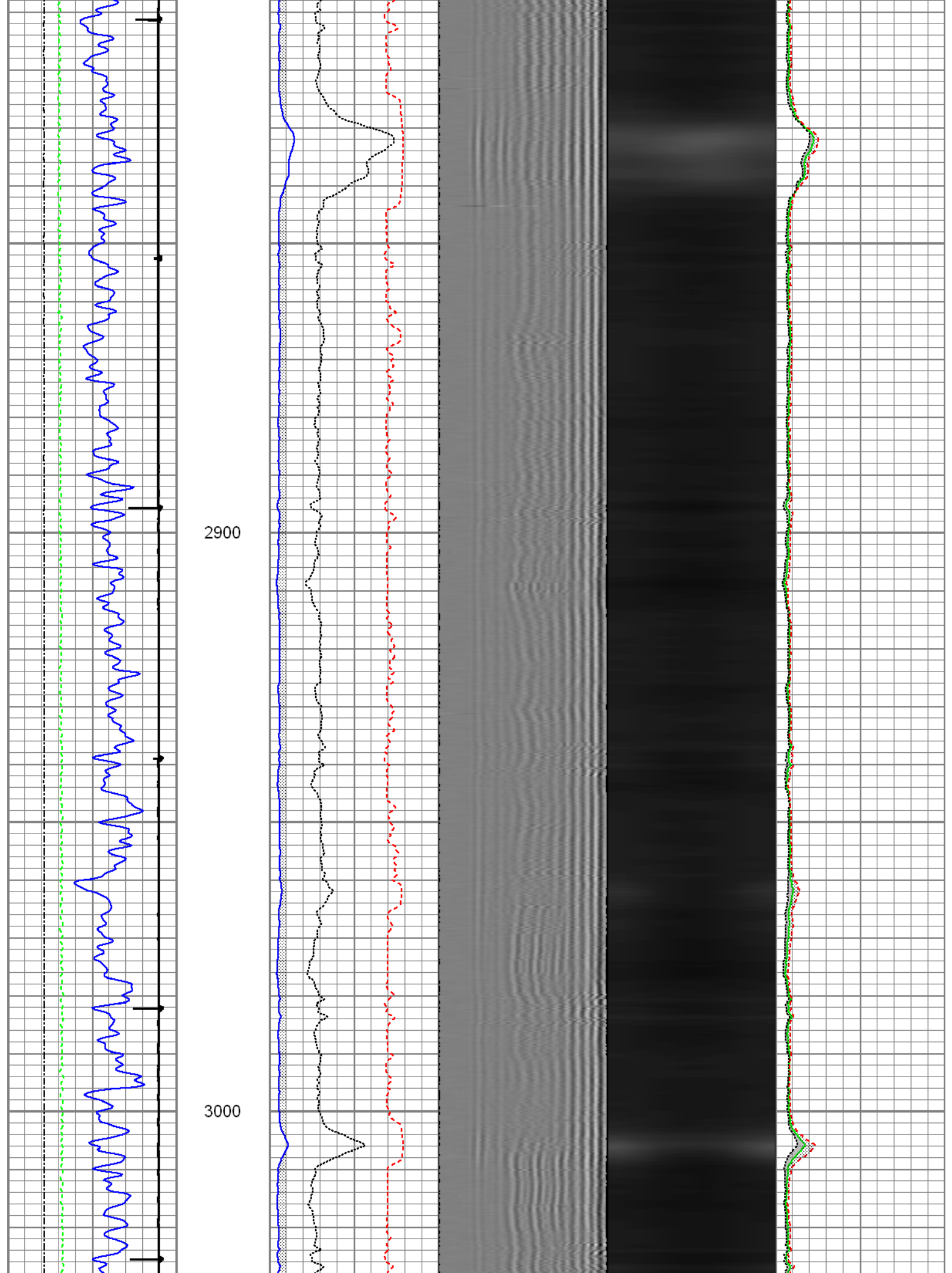


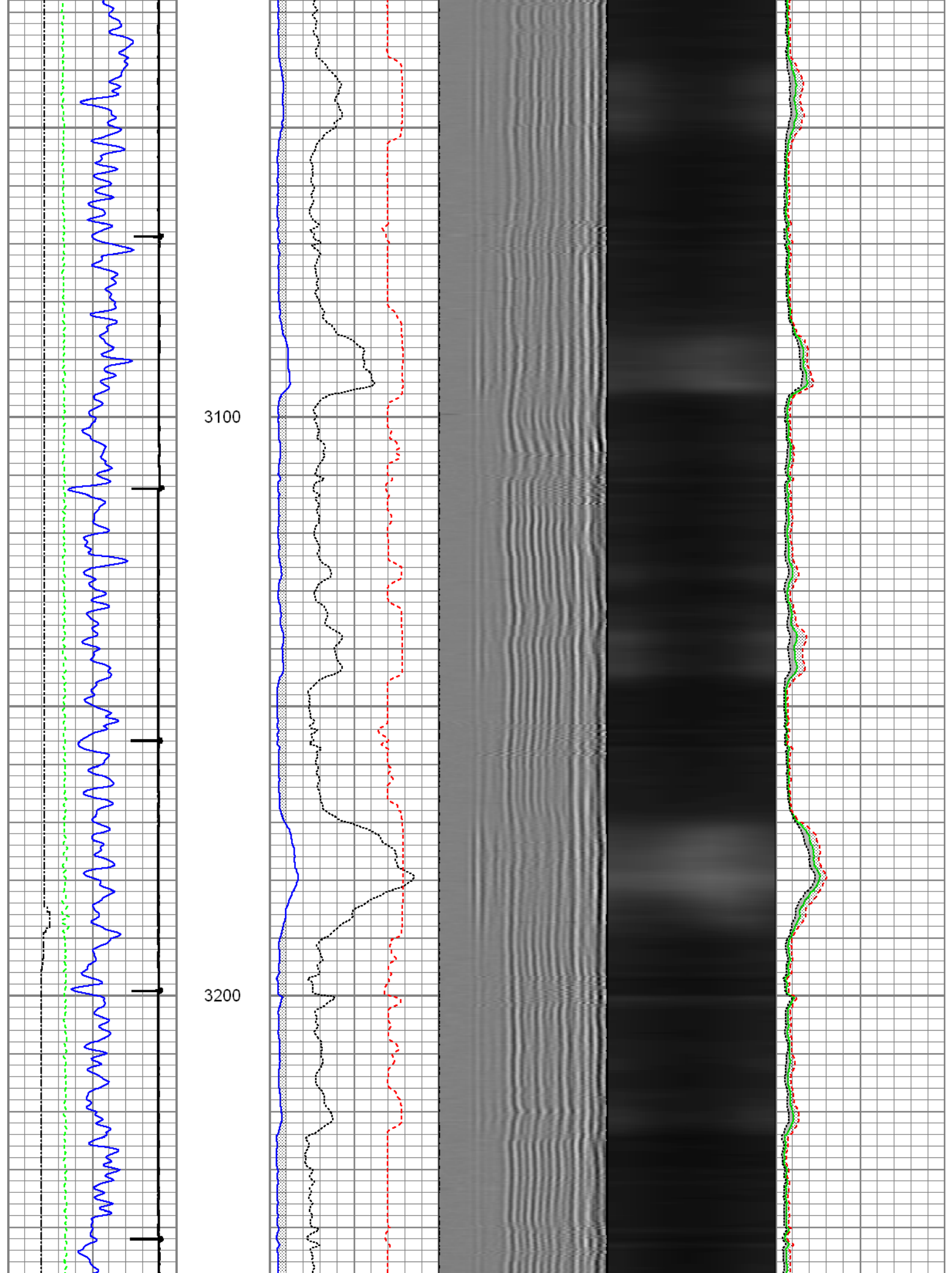
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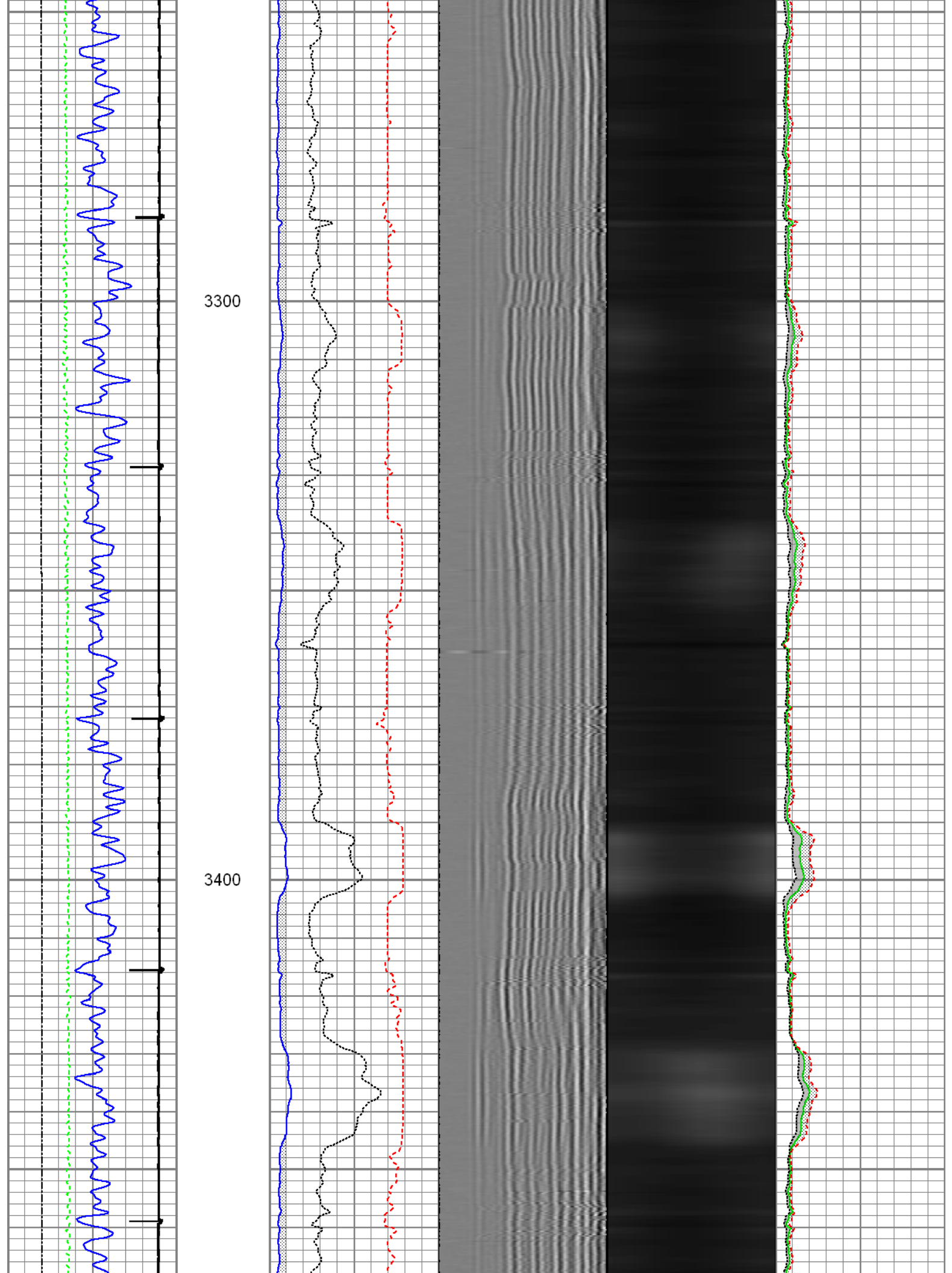
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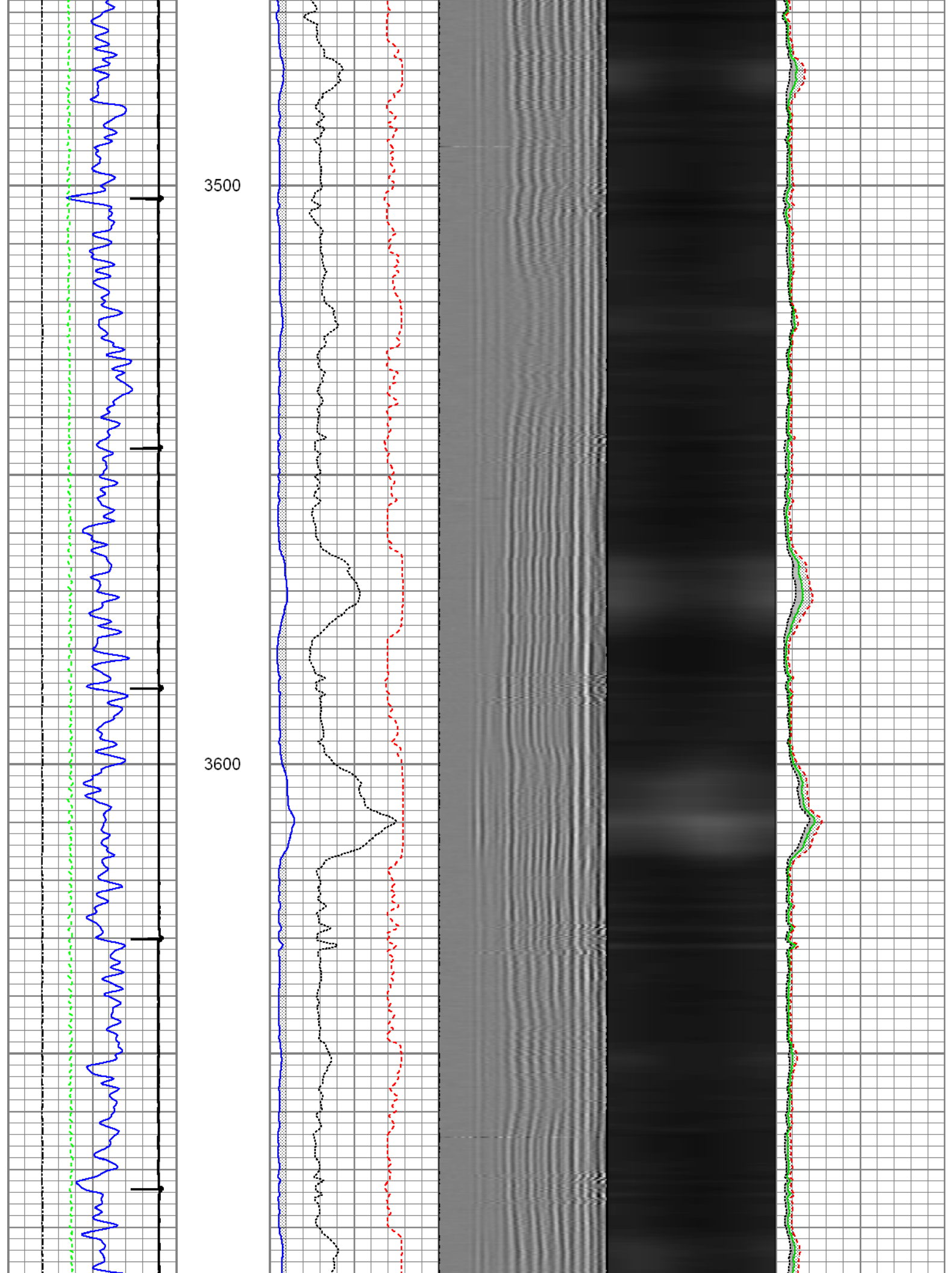
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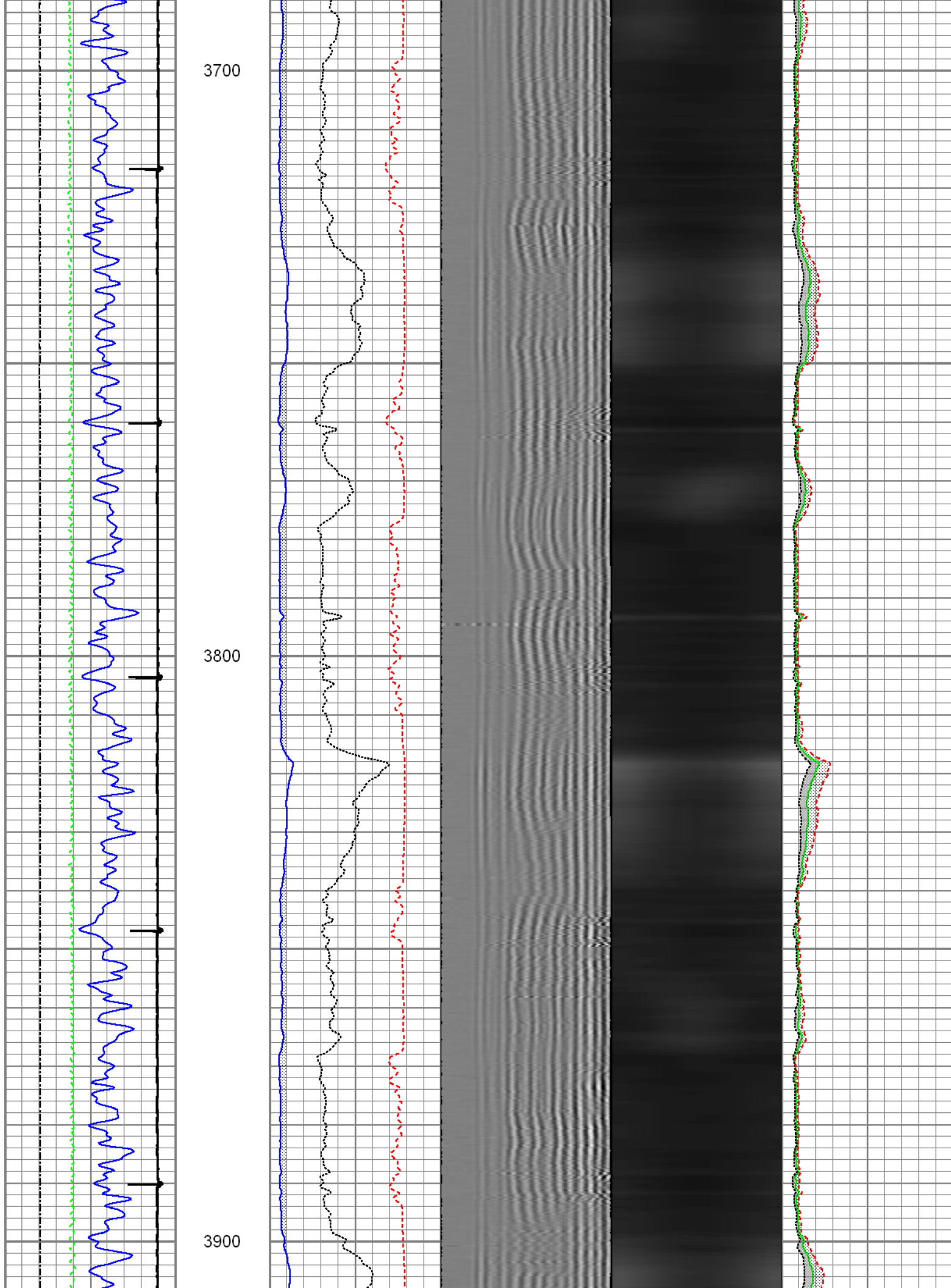


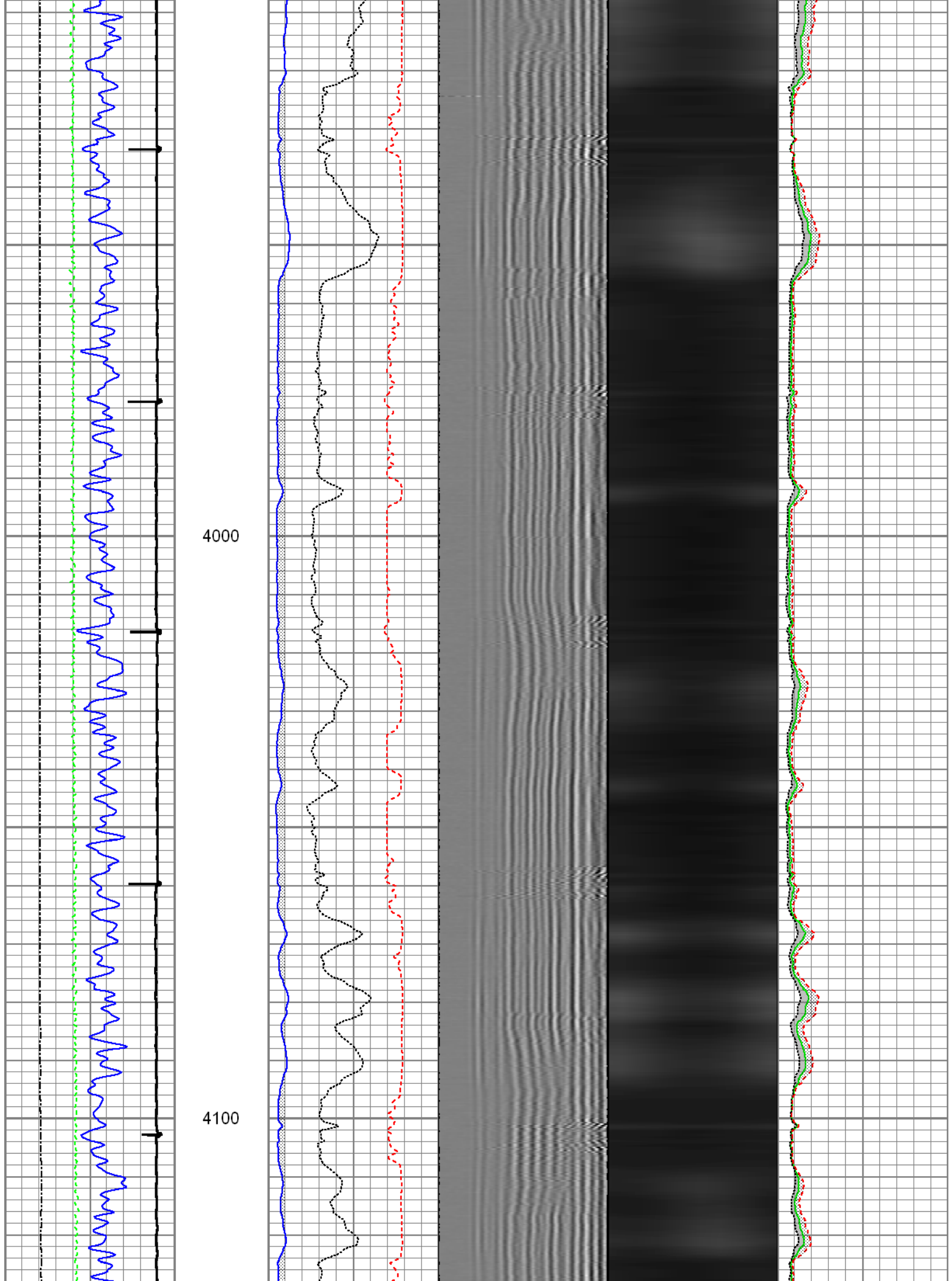


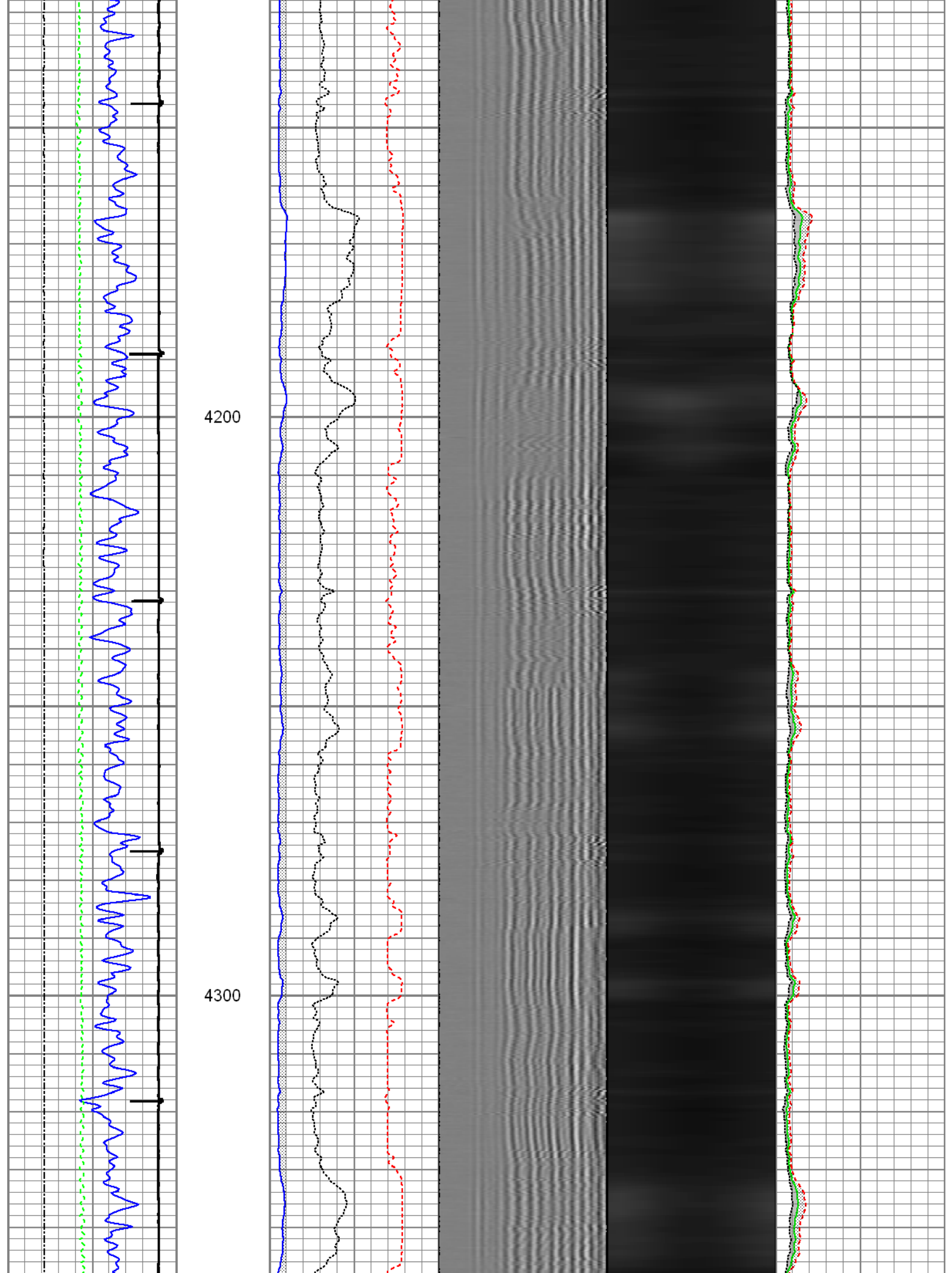
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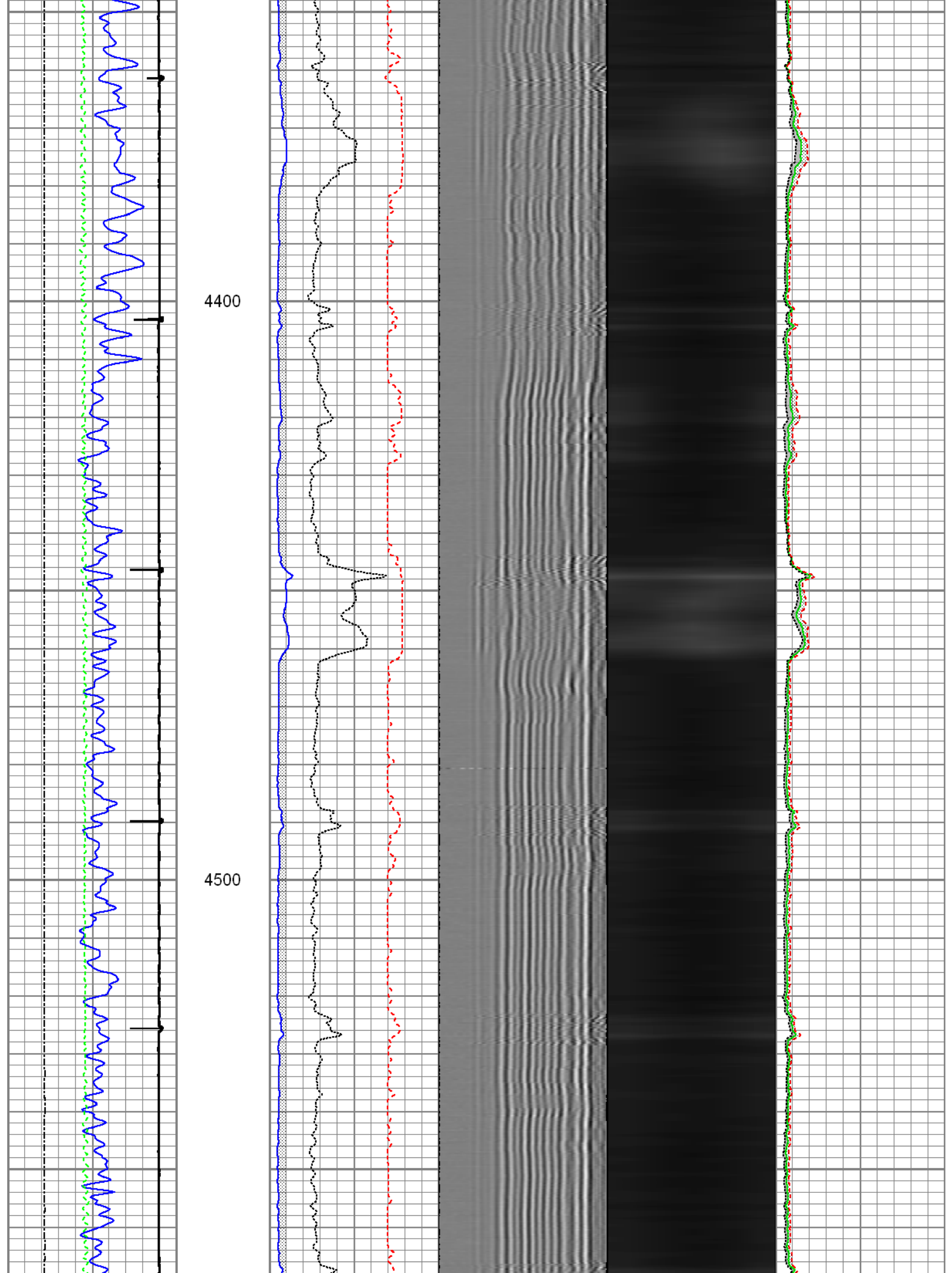
3800

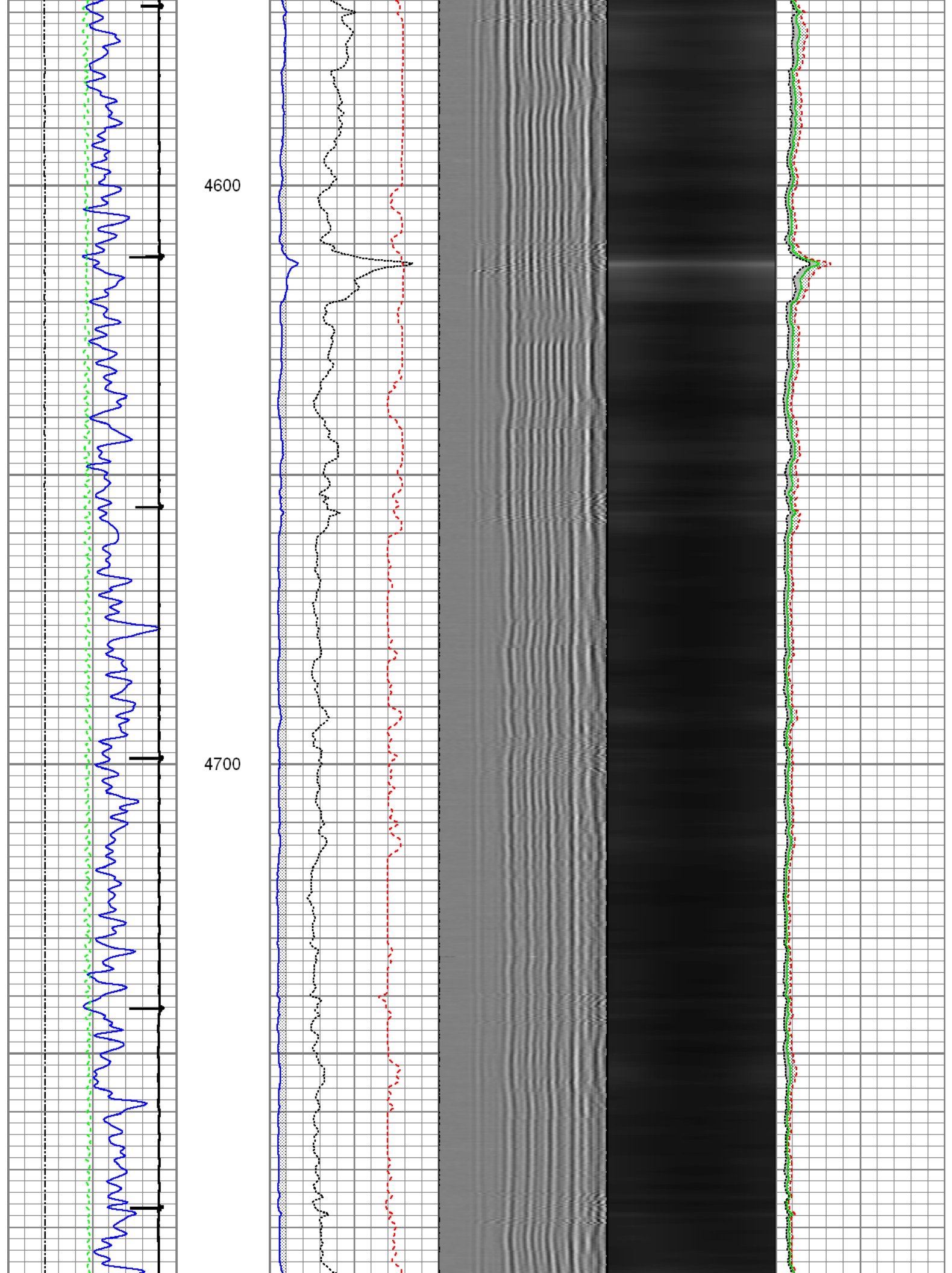
3900

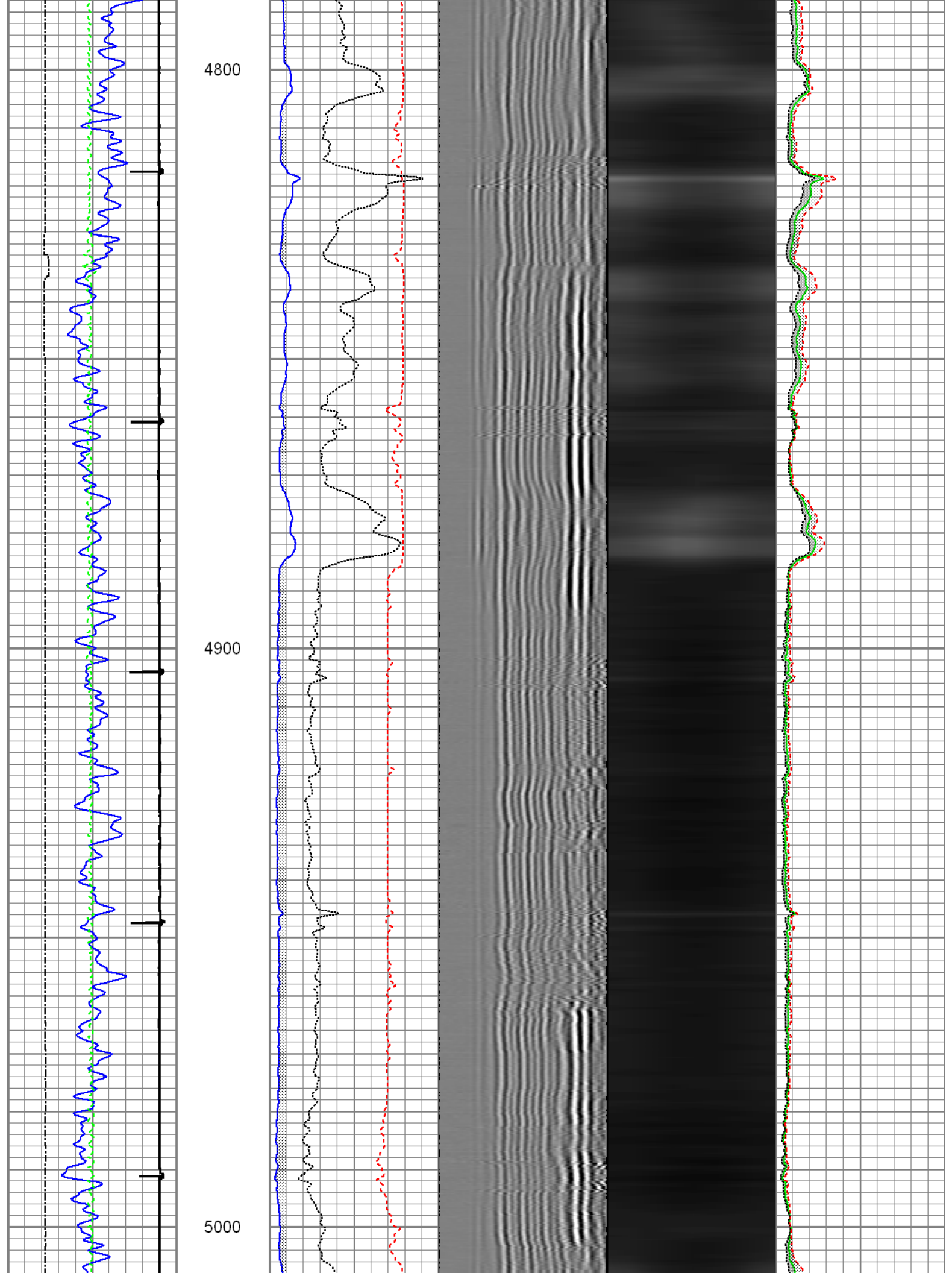


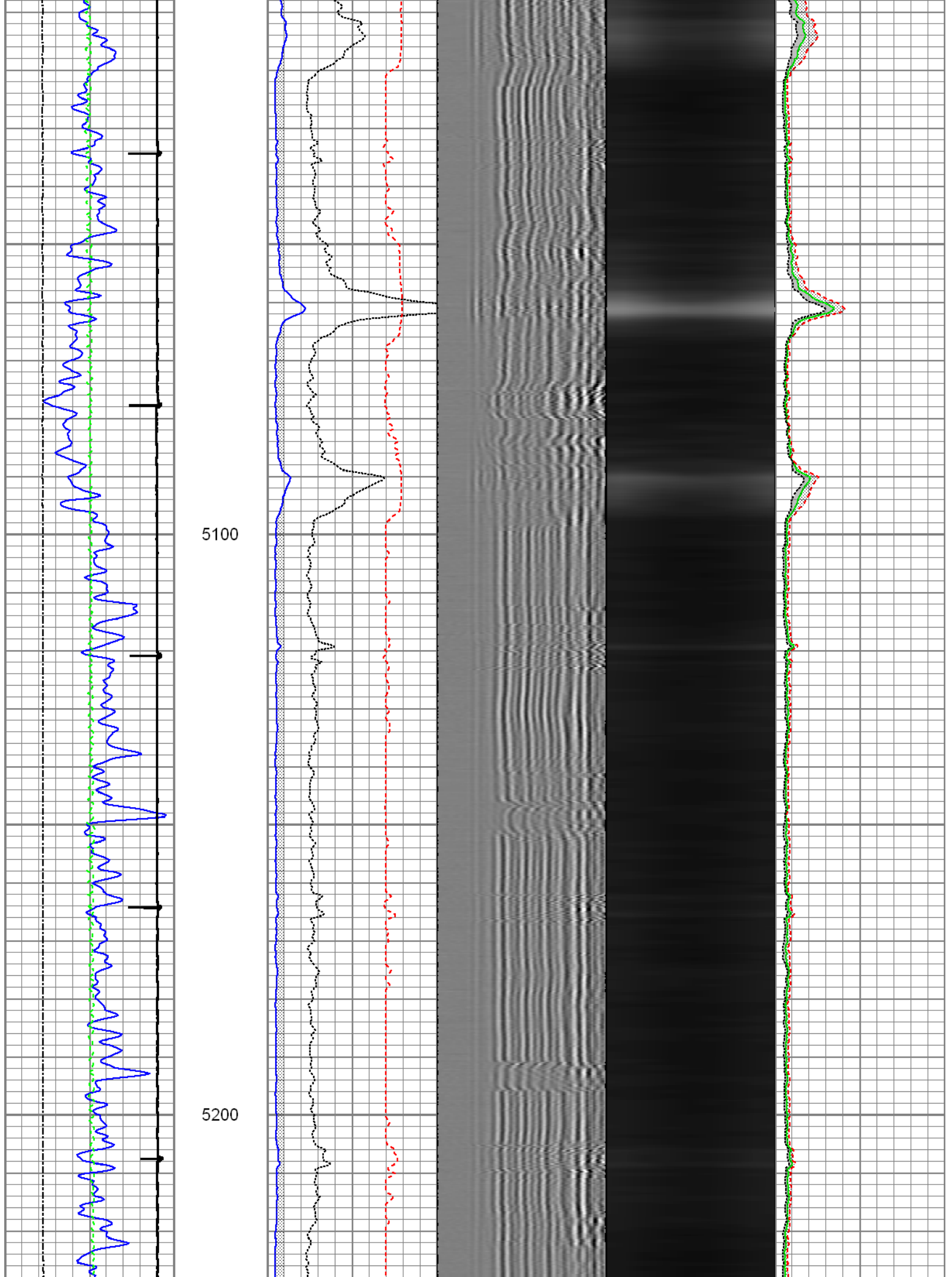


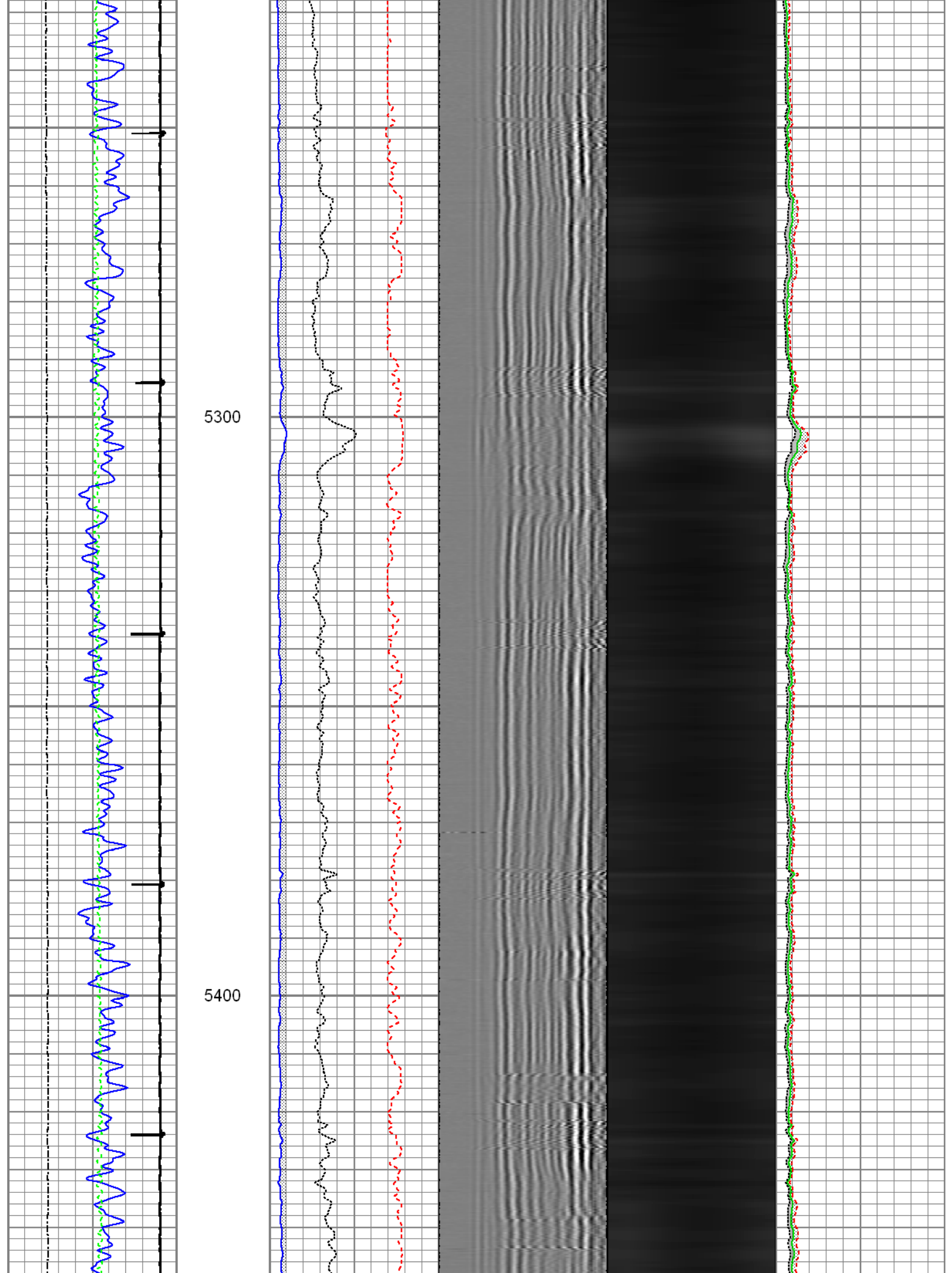


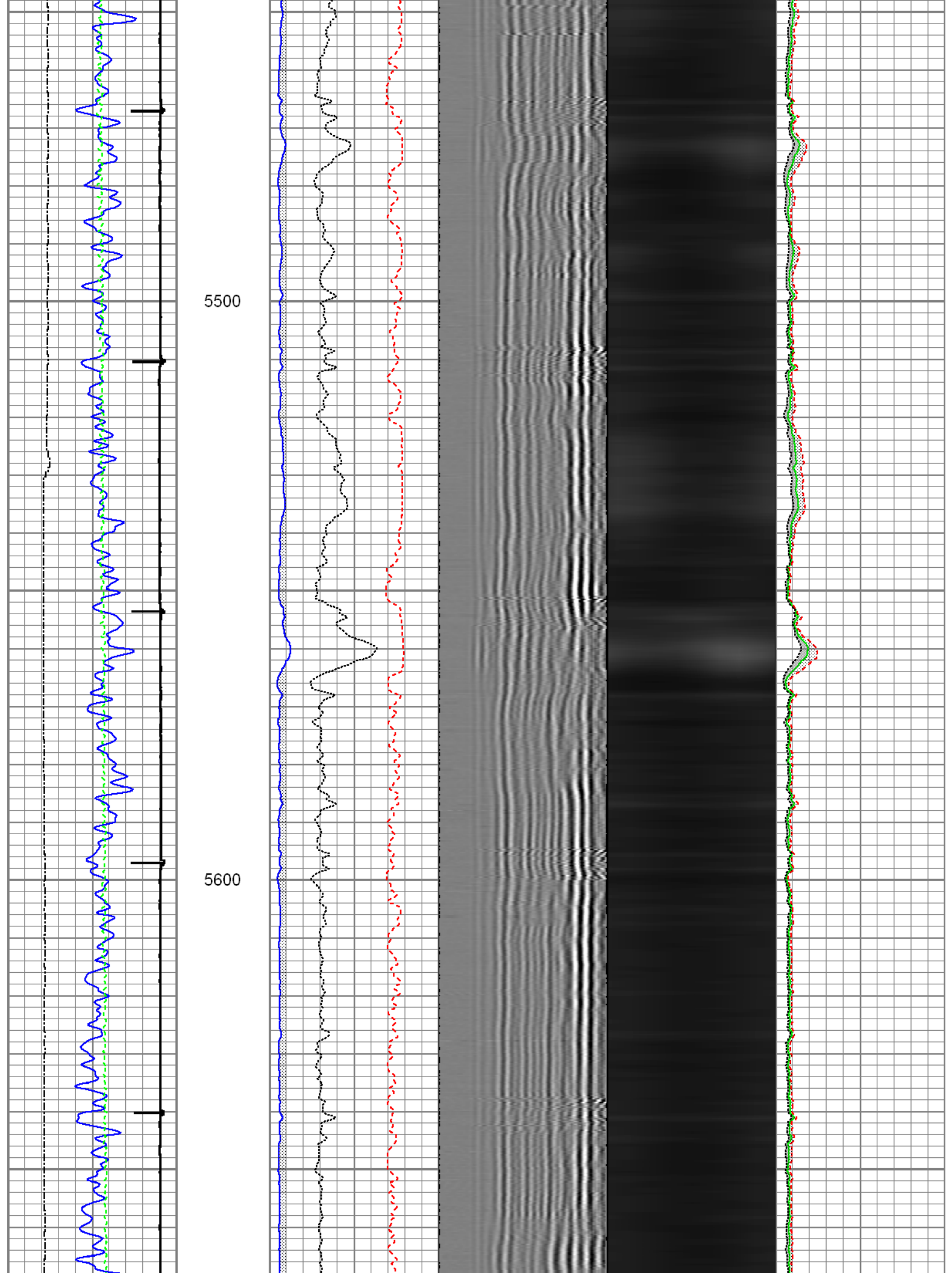


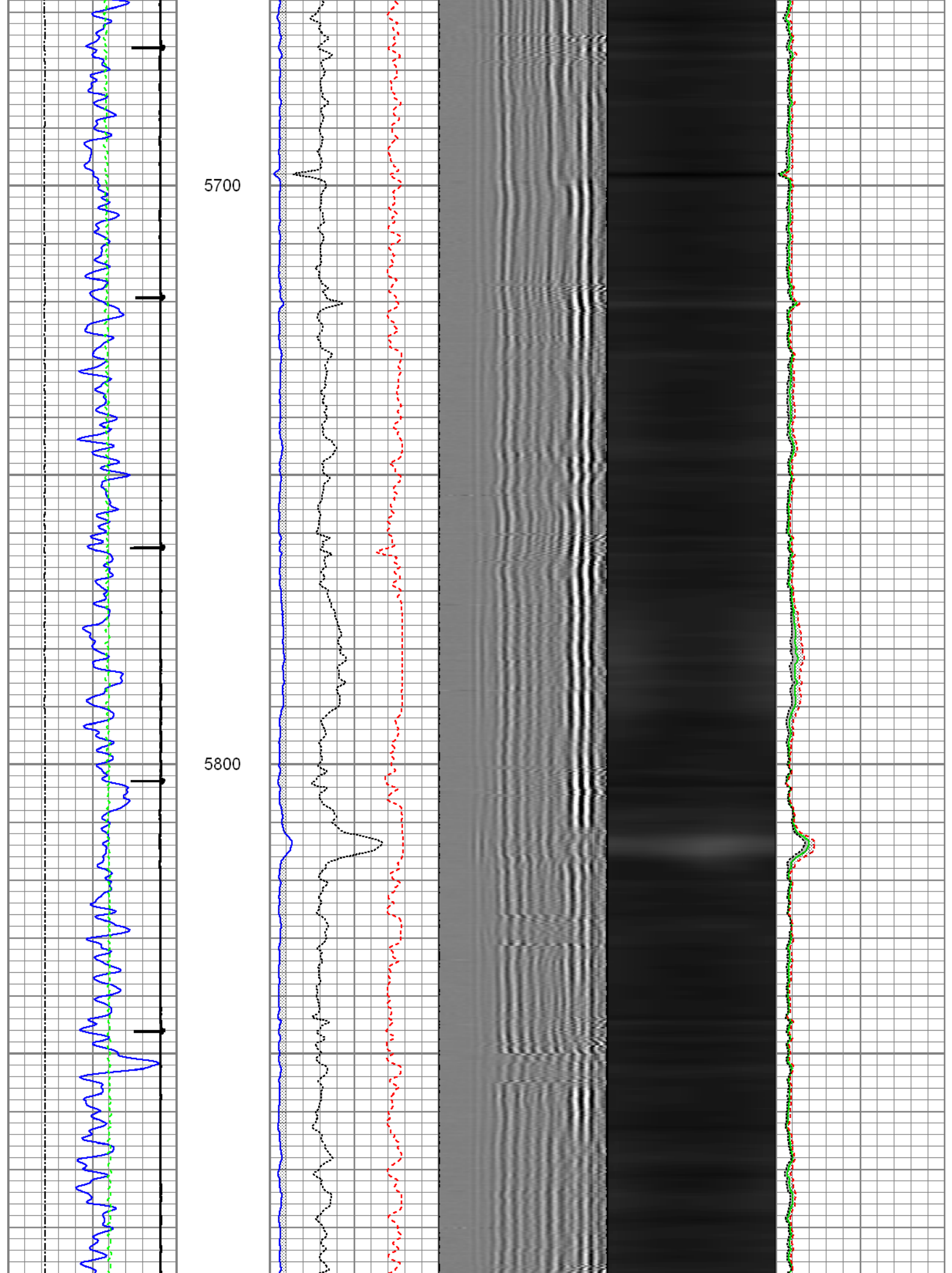








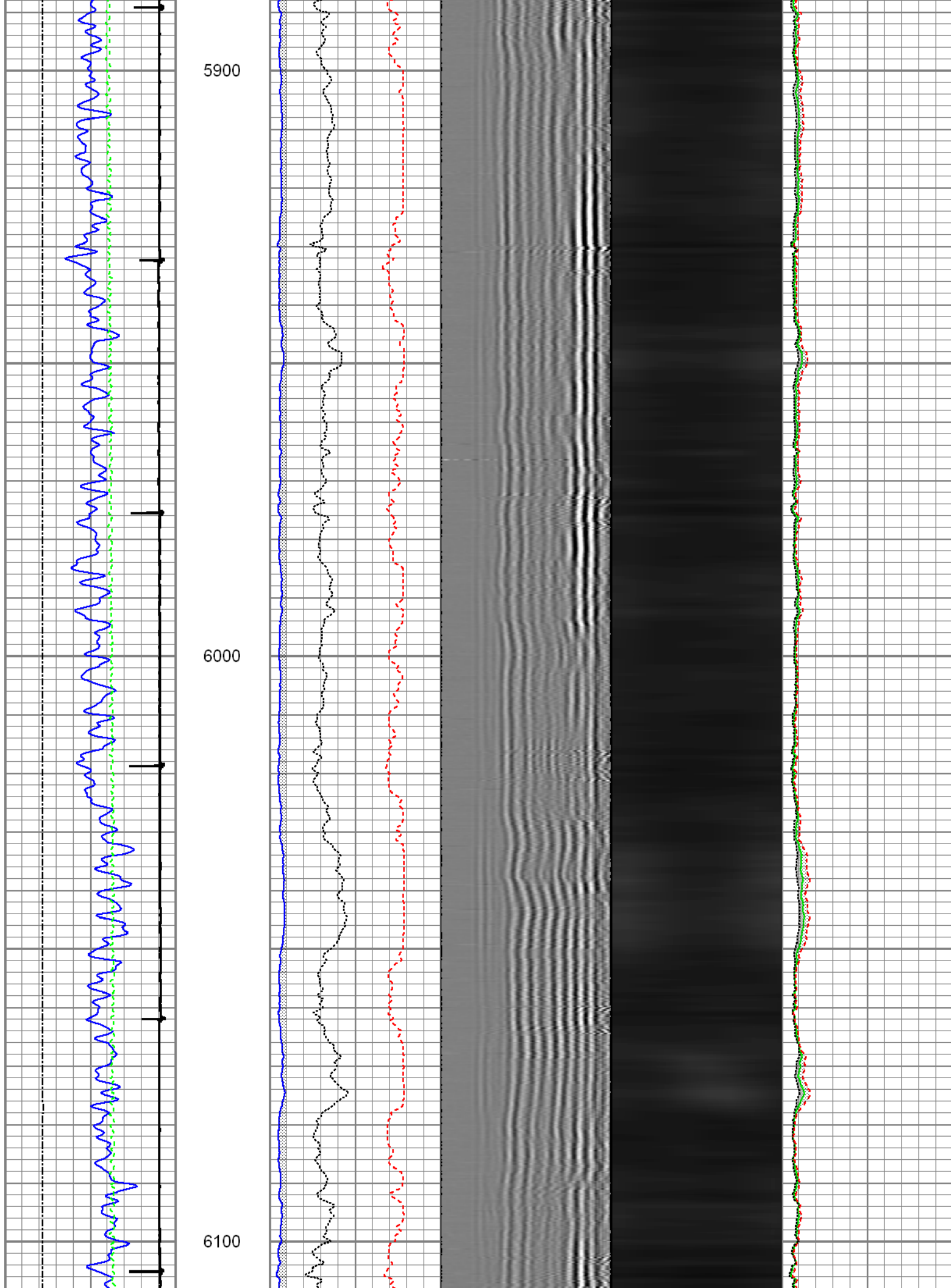


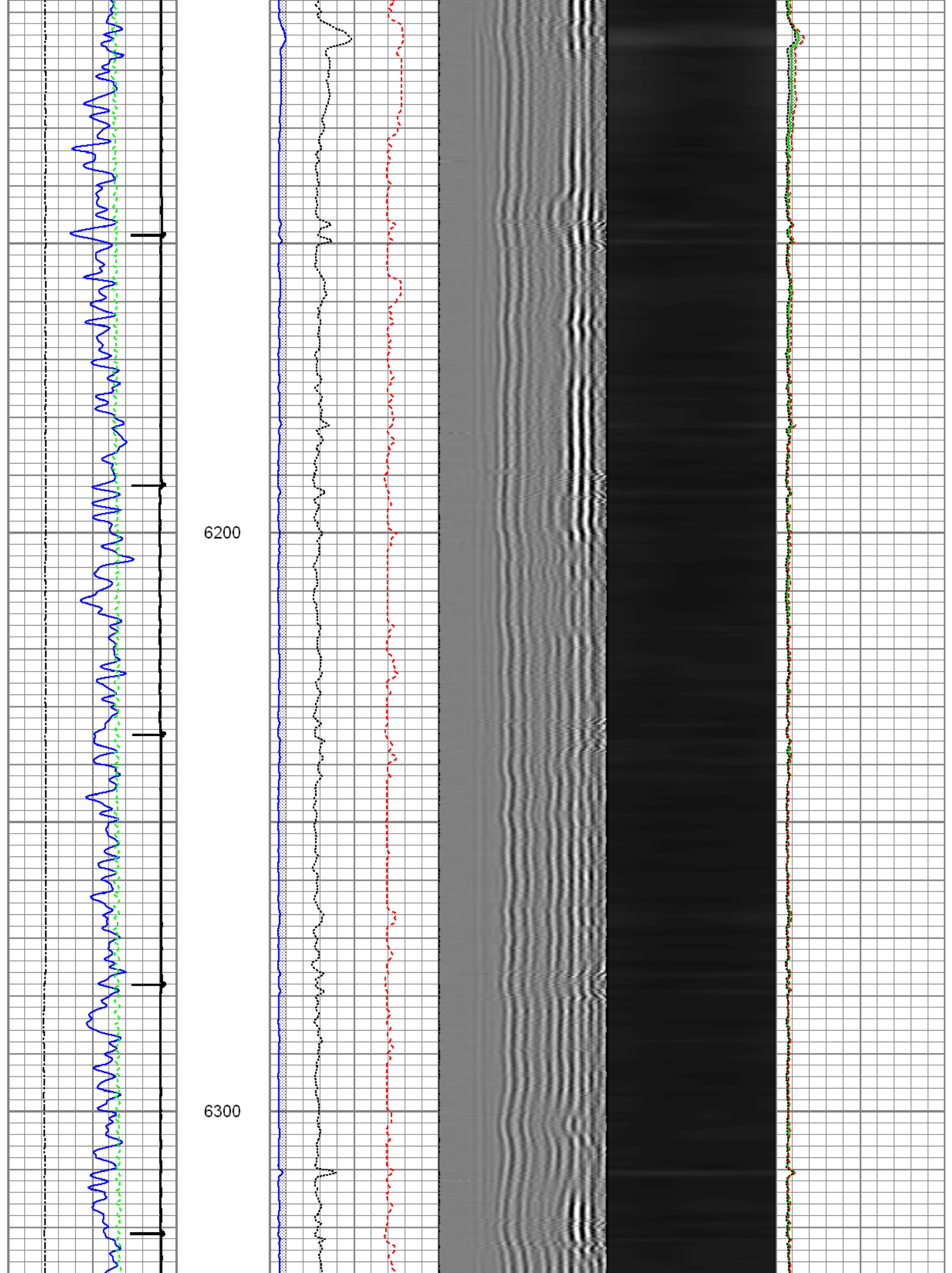


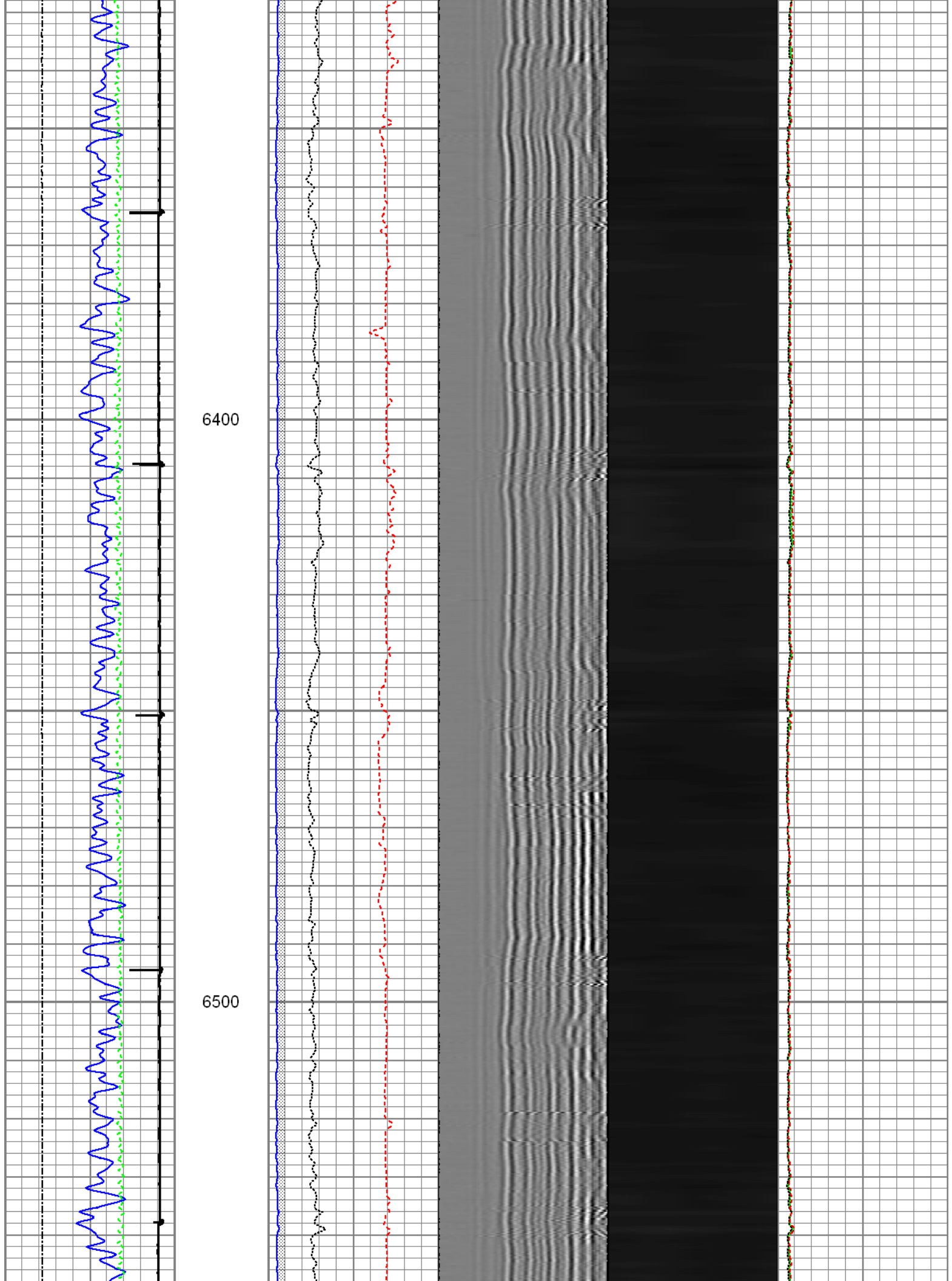
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6000

6100

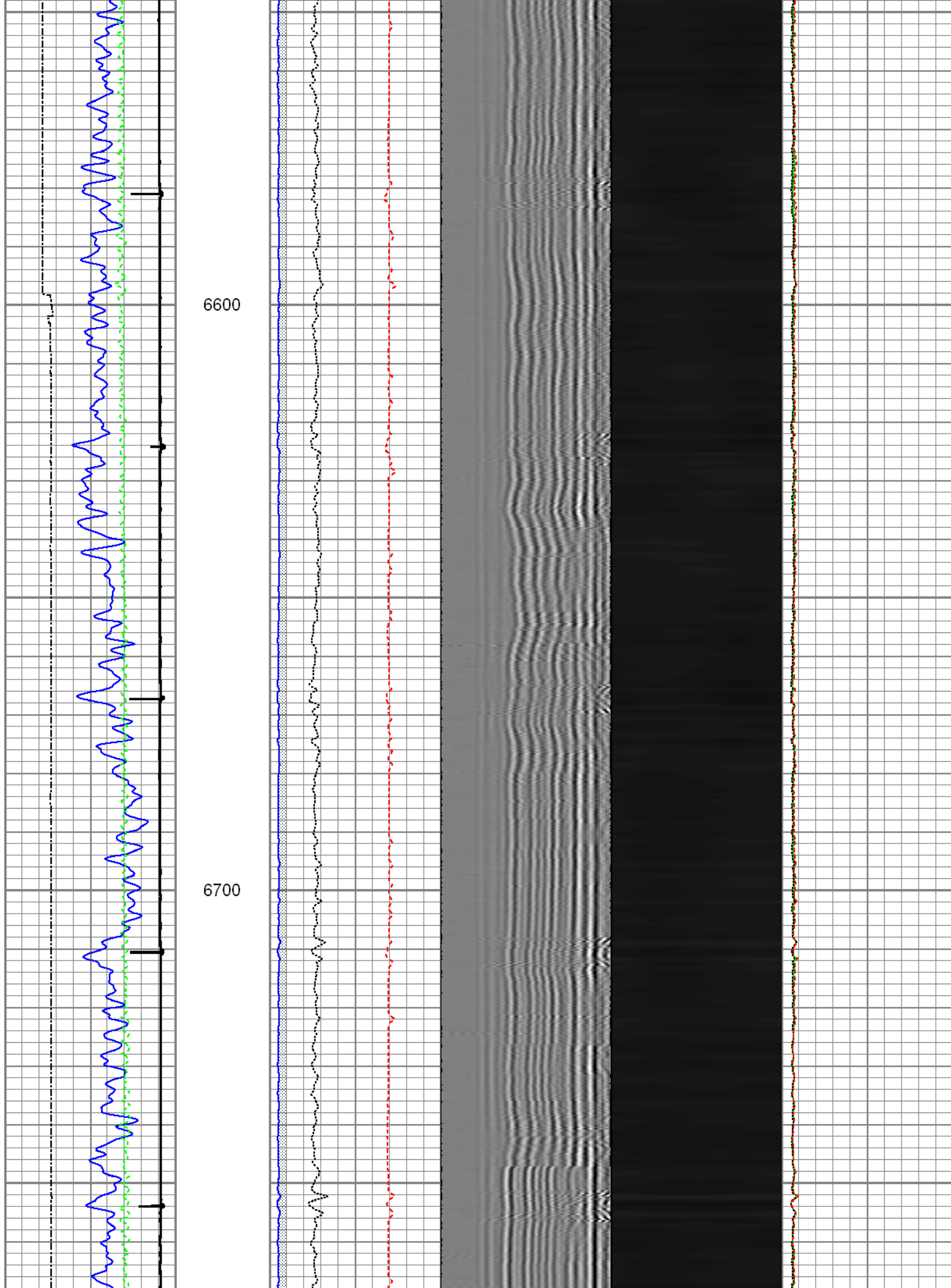


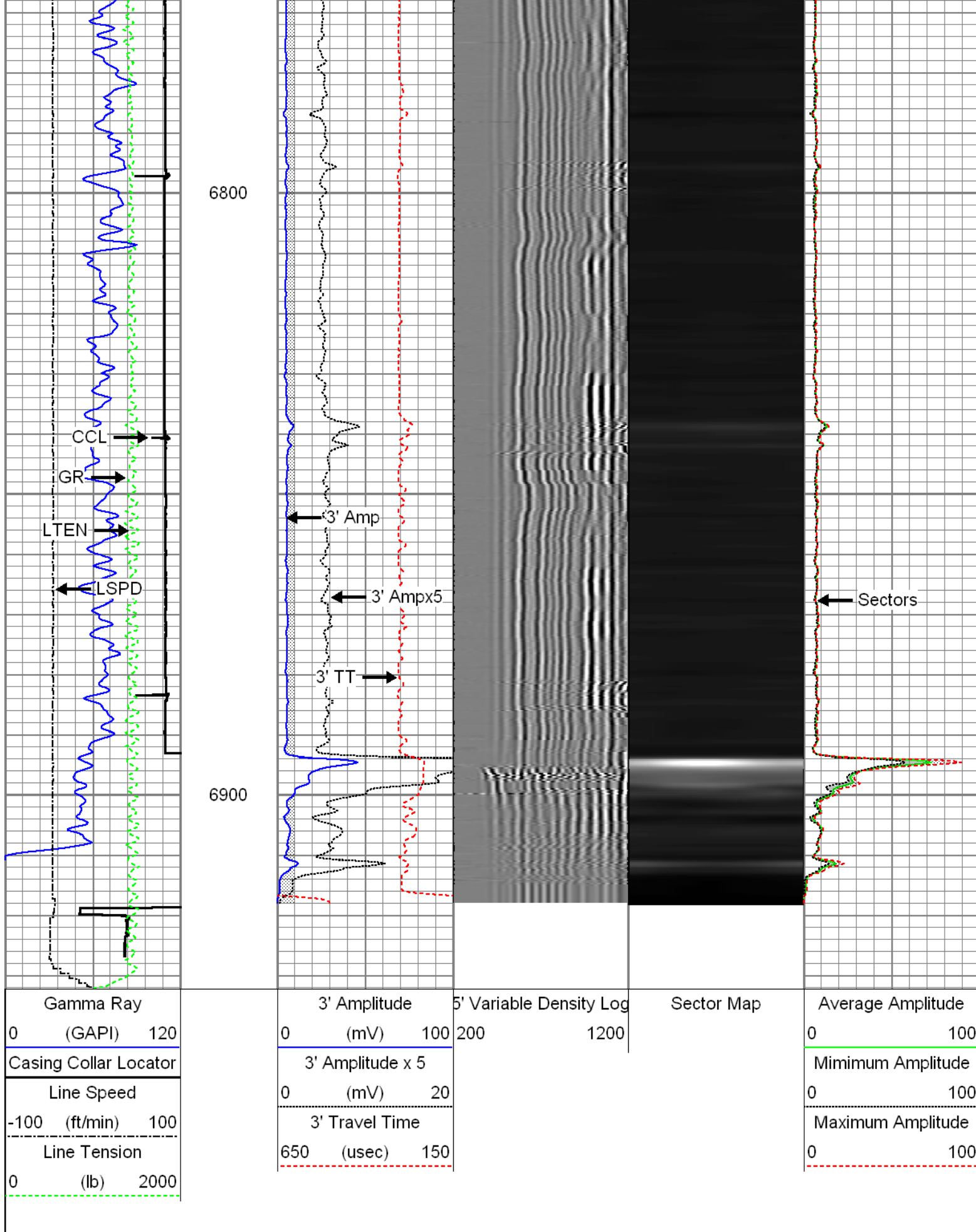




6600

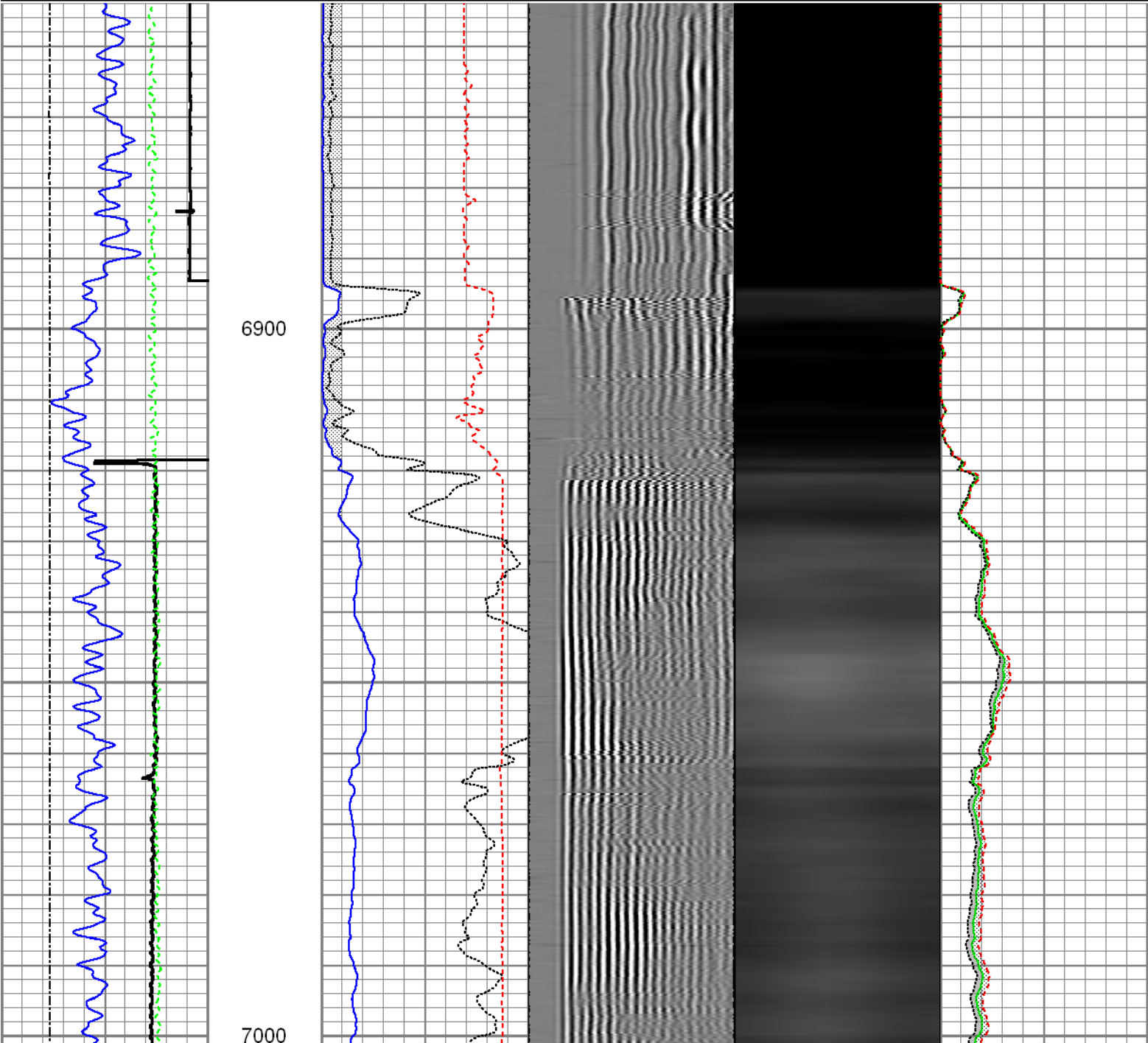
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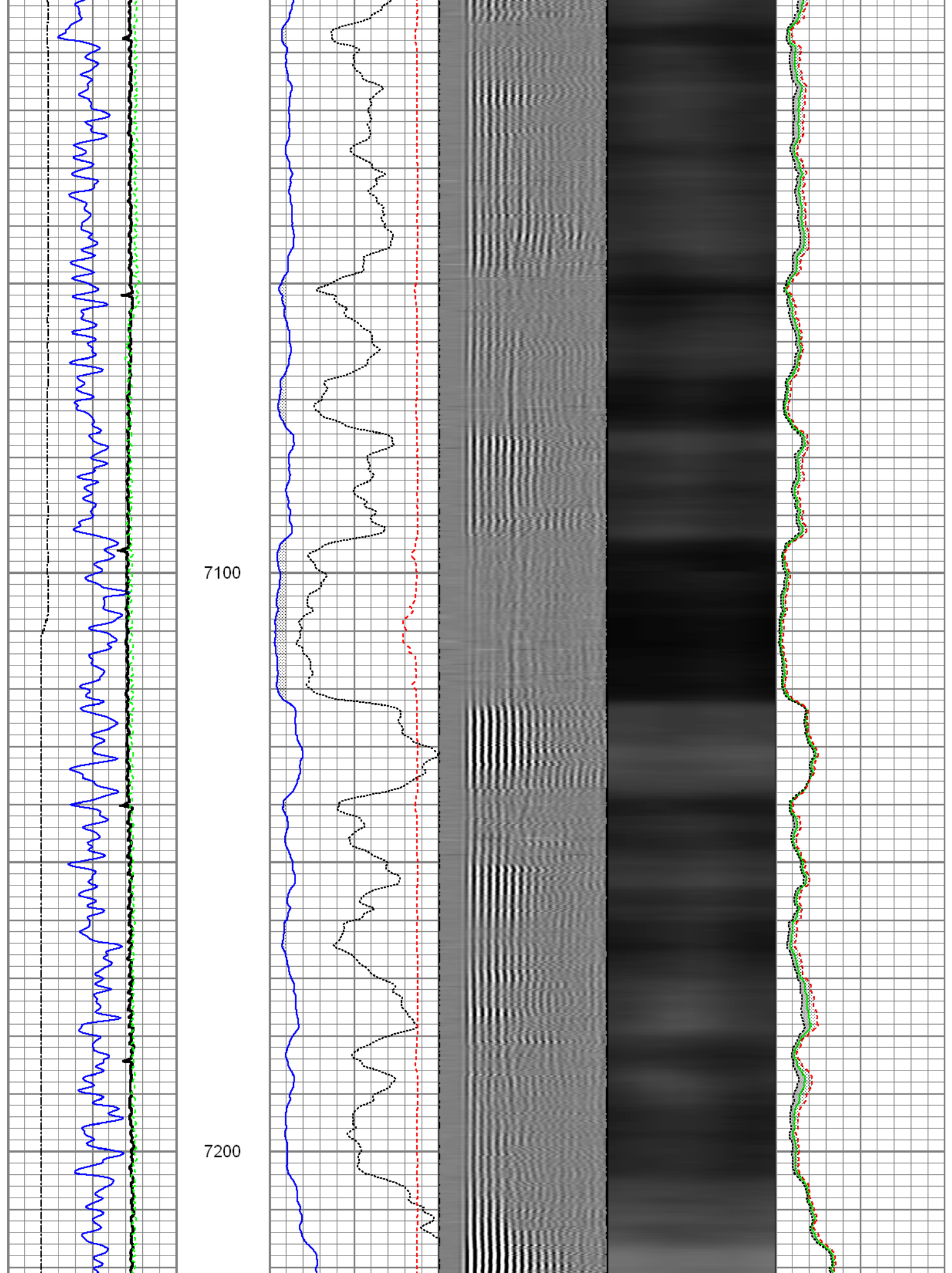


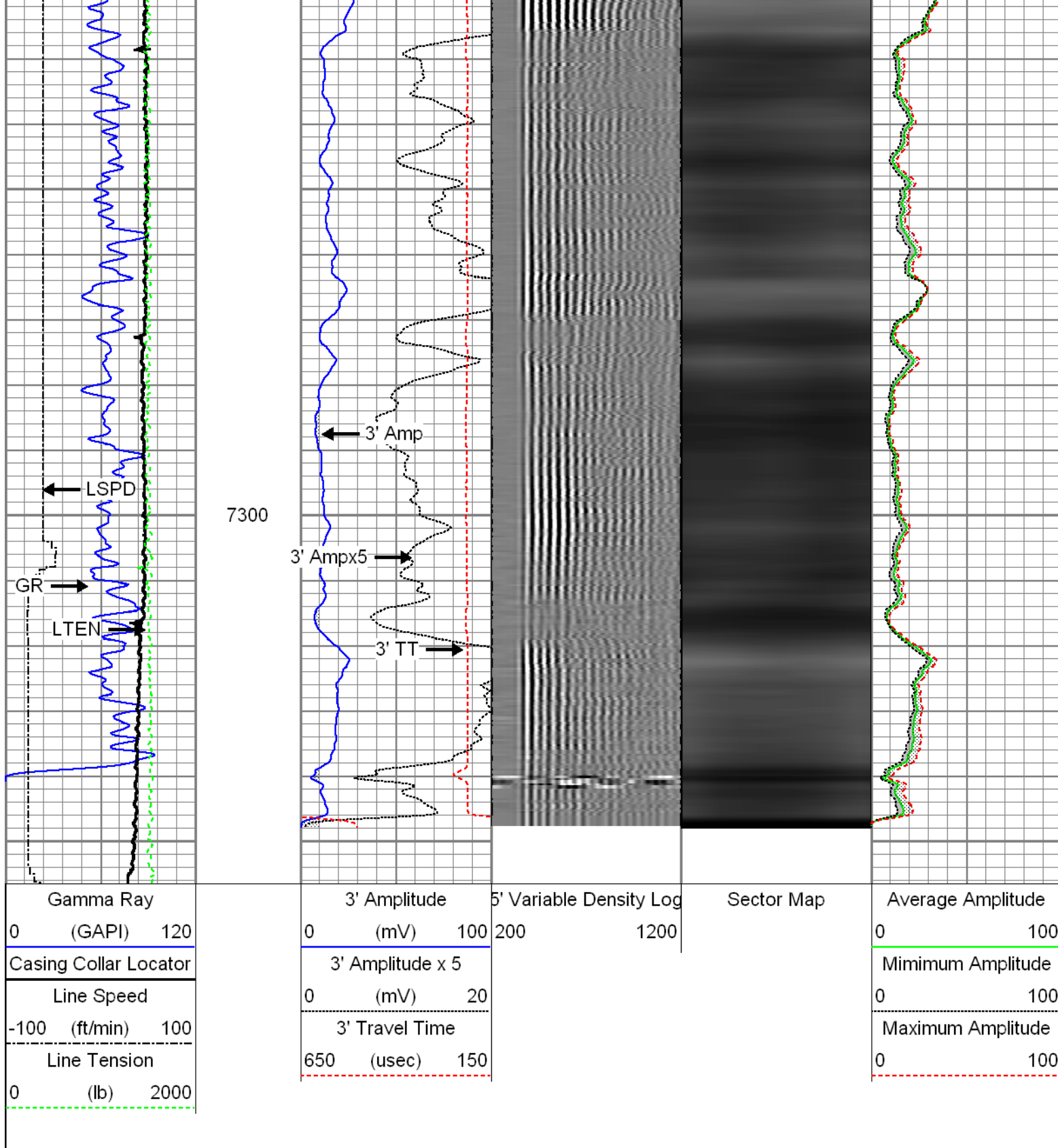


Database File: 0512339179_anadarko_burkhardt 38n-3hz_10-11-14_mit_rbl.db
Dataset Pathname: 4.5main
Presentation Format: rbt4_mit
Dataset Creation: Sat Oct 11 15:47:47 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				





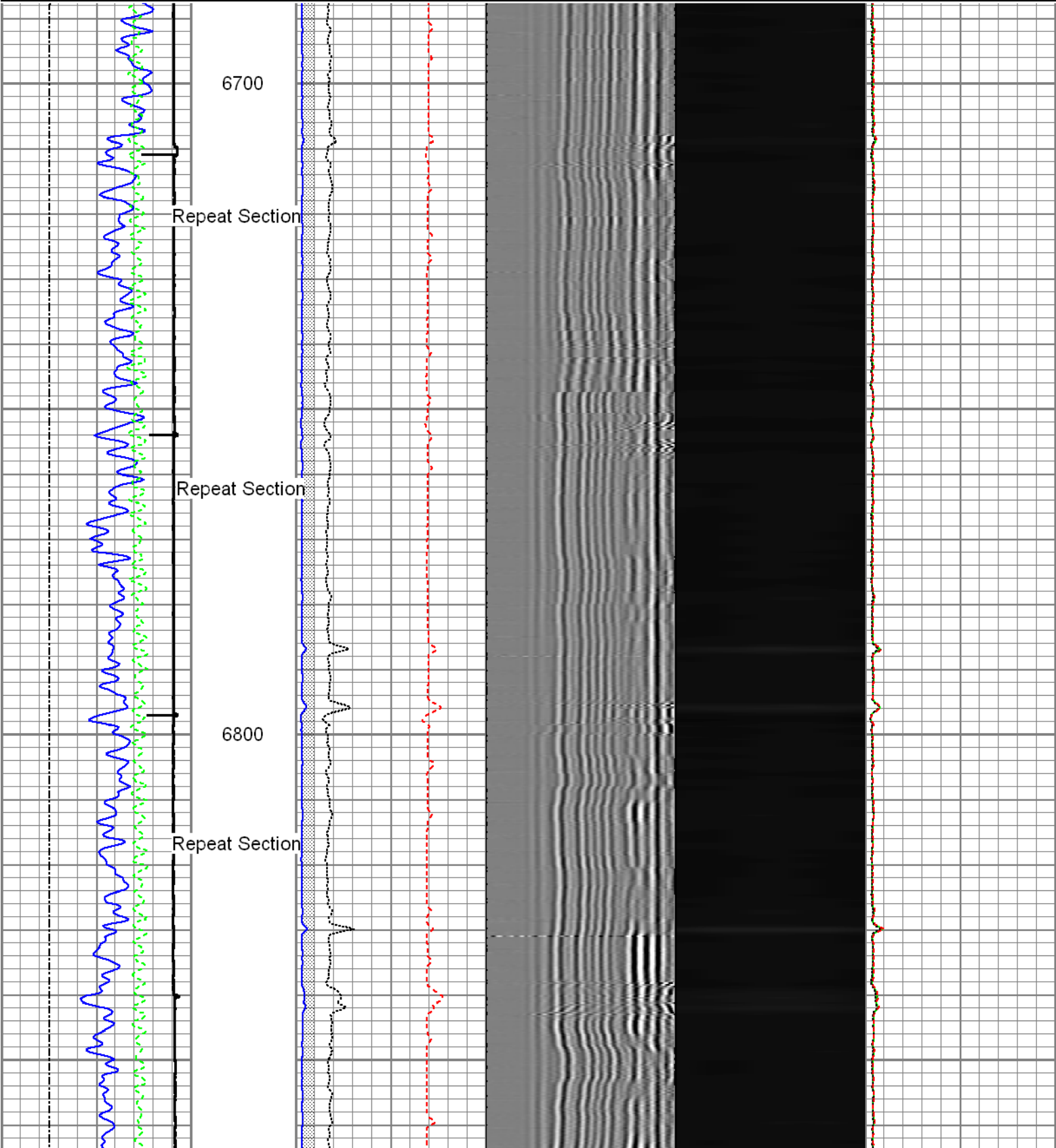


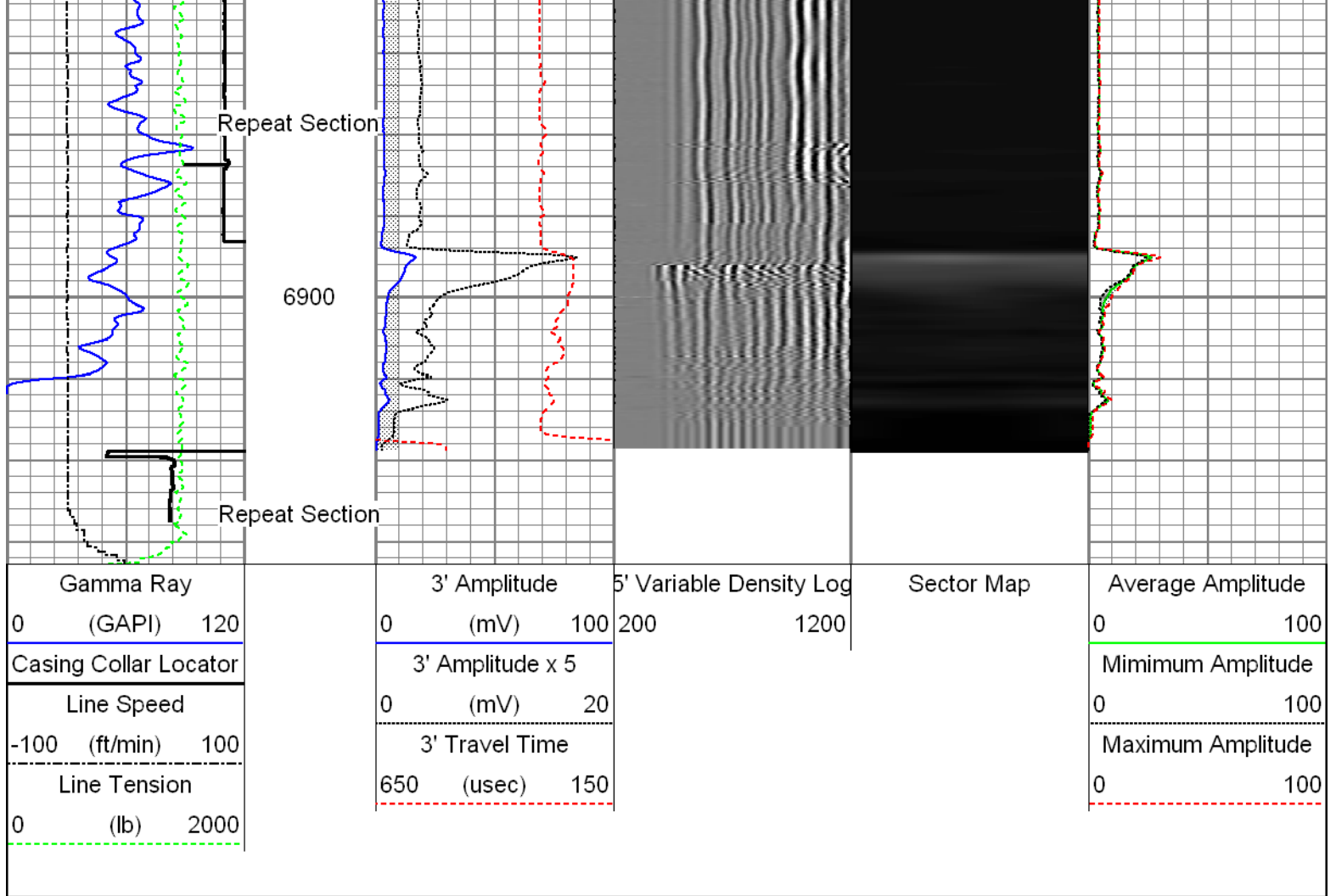
Repeat Pass

Logged With 2800 PSI Surface Induced

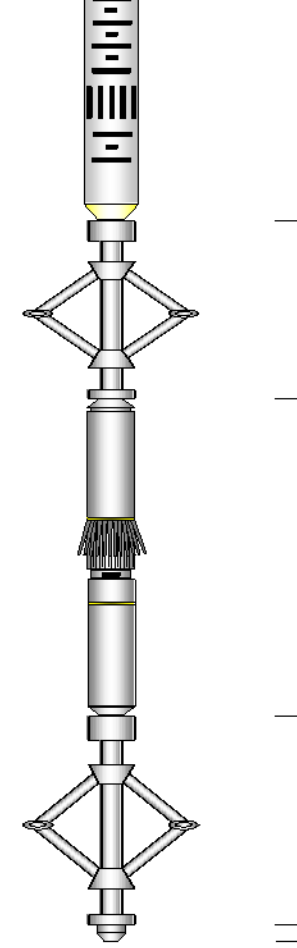
Database File: 0512339179_anadarko_burkhardt 38n-3hz_10-11-14_mit_rbl.db
 Dataset Pathname: repeat
 Presentation Format: rbt4_mit
 Dataset Creation: Sat Oct 11 16:01:34 2014 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Line Speed	0 (mV) 20			0 100
-100 (ft/min) 100	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000				





Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	22.81		T_CH14375_1_GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	4.00
			UW_AGS-UW_AGS_001 (215017) Sondex Adapter - GO Box to Sondex Pin	0.21	1.69	1.00
			UW_XTU-UW_XTU_002 (211461) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_PGR-UW_PGR_020 (10013902) Production Gamma Ray	1.93	1.69	9.50
			UW_PRC #4 -DSSRAC (082) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
WVFS1	15.42		UW_RBT-UW_RBT_004 (10013454) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00
WVFS2	15.42					
WVFS3	15.42					
WVFS4	15.42					
WVFS5	15.42					

WVFS4	15.42					
WVFS5	15.42					
WVFS6	15.42					
WVFS7	15.42					
WVFS8	15.42					
CBLTEMP	15.42					
CBLROT	15.42					
WVF5FT	14.42					
			UW_PRC-DSSRAC (083) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00
MIT	5.41		UW_MIT-UW_MIT40_027 (218950) 40 Multifinger Imaging Tool	4.54	2.75	61.10
			UW_PRC #3 -UW_PRC_057 (1037) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00
			UW_BUL-UW_BUL_006 (218707) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
TSTAMP	0.00					
Dataset: 0512339179_anadarko_burkhardt 38n-3hz_10-11-14_mit_rbl.db: field/well/run1/7main.1 Total Length: 27.05 ft Total Weight: 319.30 lb O.D.: 3.13 in						

Calibration Report						
Database File:		0512339179_anadarko_burkhardt 38n-3hz_10-11-14_mit_rbl.db				
Dataset Pathname:		7main.1				
Dataset Creation:		Wed Oct 15 17:45:00 2014 by Calc SCH 120430				
Multi-finger Imaging Tool Calibration Report						
Serial Number:		218950				
Number of Fingers:		40				
Tool Model:		UW_MIT40_027				
Inclinometer Calibration Report						
Performed:		Fri, Oct, 10 10:41:51 2008				
Calibration Angle:		45				
		Inc X		Inc Y		
Vertical:		1996		1975		
Finger 1 up:		2238		2226		
Finger 31 up:		1760		2216		
Finger 21 up:		1769		1745		
Finger 11 up:		2250		1738		
Sensitivity ratio:		1.00023				
X-axis angle:		314.283				
Deviation const.:		339.139				
Finger Calibration Report						
Performed:		Sat Oct 11 14:25:52 2014				
Ring size:	4	5	6	7		

(in)		Sens		Sens		Sens	
Finger 01:	1434	278.0	1712	293.0	2005	291.0	2296
Finger 02:	1484	260.0	1744	264.0	2008	258.0	2266
Finger 03:	1387	287.0	1674	295.0	1969	293.0	2262
Finger 04:	1418	287.0	1705	293.0	1998	286.0	2284
Finger 05:	1456	277.0	1733	280.0	2013	276.0	2289
Finger 06:	1377	291.0	1668	298.0	1966	296.0	2262
Finger 07:	1376	289.0	1665	293.0	1958	294.0	2252
Finger 08:	1378	284.0	1662	290.0	1952	287.0	2239
Finger 09:	1392	290.0	1682	300.0	1982	295.0	2277
Finger 10:	1401	274.0	1675	290.0	1965	289.0	2254
Finger 11:	1386	286.0	1672	295.0	1967	298.0	2265
Finger 12:	1351	284.0	1635	301.0	1936	308.0	2244
Finger 13:	1454	261.0	1715	273.0	1988	279.0	2267
Finger 14:	1404	267.0	1671	285.0	1956	300.0	2256
Finger 15:	1405	276.0	1681	295.0	1976	309.0	2285
Finger 16:	1418	266.0	1684	290.0	1974	304.0	2278
Finger 17:	1418	273.0	1691	296.0	1987	313.0	2300
Finger 18:	1405	267.0	1672	289.0	1961	303.0	2264
Finger 19:	1463	264.0	1727	289.0	2016	307.0	2323
Finger 20:	1455	264.0	1719	287.0	2006	312.0	2318
Finger 21:	1394	271.0	1665	303.0	1968	328.0	2296
Finger 22:	1442	259.0	1701	280.0	1981	303.0	2284
Finger 23:	1451	265.0	1716	284.0	2000	309.0	2309
Finger 24:	1491	260.0	1751	284.0	2035	301.0	2336
Finger 25:	1473	263.0	1736	288.0	2024	309.0	2333
Finger 26:	1440	264.0	1704	290.0	1994	313.0	2307
Finger 27:	1493	258.0	1751	281.0	2032	298.0	2330
Finger 28:	1456	265.0	1721	289.0	2010	309.0	2319
Finger 29:	1542	252.0	1794	272.0	2066	286.0	2352
Finger 30:	1410	265.0	1675	287.0	1962	313.0	2275
Finger 31:	1468	272.0	1740	293.0	2033	310.0	2343
Finger 32:	1527	258.0	1785	273.0	2058	285.0	2343
Finger 33:	1443	275.0	1718	297.0	2015	311.0	2326
Finger 34:	1466	276.0	1742	292.0	2034	304.0	2338
Finger 35:	1489	257.0	1746	267.0	2013	273.0	2286
Finger 36:	1488	265.0	1753	280.0	2033	288.0	2321
Finger 37:	1463	278.0	1741	294.0	2035	296.0	2331
Finger 38:	1498	261.0	1759	258.0	2017	267.0	2284
Finger 39:	1438	275.0	1713	286.0	1999	281.0	2280
Finger 40:	1394	290.0	1684	298.0	1982	299.0	2281

Segmented Cement Bond Log Calibration Report							
Serial Number:				10013454			
Tool Model:				UW_RBT_004			
Calibration Casing Diameter:				7.000	in		
Calibration Depth:				16.000	ft		

Master Calibration, performed Wed Oct 15 17:44:57 2014:							
	Raw (v)		Calibrated (mv)		Results		
	Zero	Cal	Zero	Cal	Gain	Offset	
3FT	0.004	0.599	0.800	62.165	103.180	0.364	
5FT	0.005	0.678	0.800	62.165	91.290	0.299	
S1	0.005	0.600	0.000	100.000	167.913	-0.825	
S2	0.002	0.590	0.000	100.000	170.287	-0.421	
S3	0.003	0.589	0.000	100.000	170.917	-0.590	
S4	0.003	0.596	0.000	100.000	168.434	-0.428	
S5	0.004	0.612	0.000	100.000	164.562	-0.688	
S6	0.003	0.626	0.000	100.000	160.391	-0.413	
S7	0.003	0.622	0.000	100.000	161.561	-0.548	

S8	0.003	0.614	0.000	100.000	163.802	-0.556
Gamma Ray Calibration Report						
Serial Number:	10013902					
Tool Model:	UW_PGR_020					
Performed:	Sun Jun 13 13:33:21 1993					
Calibrator Value:	1.0	GAPI				
Background Reading:	0.0	cps				
Calibrator Reading:	1.0	cps				
Sensitivity:	1.0000	GAPI/cps				

	Company	Kerr McGee Oil & Gas Onshore LP
	Well	Burkhardt 38N-3HZ
	Field	Wattenberg
	County	Weld
	State	Colorado